

From arc5 at ix.netcom.com Wed Apr 1 12:29:46 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 1 Apr 2015 11:29:46 -0500
Subject: [BoatAnchors] Smart People: 2SD882 = 12V, What = 24V?
Message-ID: <765B3A128CDE4267B2EE256265A22701@DaddyPC>

Smart People:
This is boatanchor related; honest.

2SD882 works well in low-power transmitter PAs
with Vcc of 12 volts. Vceo max is 30 Volts.
Data sheet is at:
<http://www.farnell.com/datasheets/1700516.pdf>
Diagram of circuit (missing T1 secondary connection):
<http://home.netcom.com/~arc5/RockmitePA.jpg>

Can someone suggest a device with similar gain that one
could use in a similar circuit with a Vcc of 24-28 Volts?

From arc5 at ix.netcom.com Wed Apr 1 13:11:17 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 1 Apr 2015 12:11:17 -0500
Subject: [BoatAnchors] Estates 4-1
Message-ID: <85CA7566B2CD4E0A872FB1DE1B680795@DaddyPC>

Dowagiac, MI
<http://swmi.craigslist.org/eld/4958385088.html>

Canoga Park, CA
<http://losangeles.craigslist.org/sfv/ele/4955779229.html>

A CX-7A. Ain't seen one in awhile. Oxnard, CA
<http://losangeles.craigslist.org/sfv/ele/4957749067.html>

Fair Oaks, CA
<http://sacramento.craigslist.org/sys/4957887377.html>

Don't know them, ain't mine etc.

From listown at nanniandjack.com Thu Apr 2 10:37:37 2015
From: listown at nanniandjack.com (List Manager)
Date: Thu, 02 Apr 2015 08:37:37 -0600
Subject: [BoatAnchors] Make sure listown@nanniandjack.com is in your "Safe"

list

Message-ID: <af8d1d27878657f0894368c83f5bc29b@nanniandjack.com>

Gang:

There have been several times of late when I have sent a private email message to one of you in response to a request for a change, describing options and asking for your choice... and, I NEVER hear back, so whatever you wanted didn't get done.

This is most likely because my email was dumped into SPAM/Junk folders and ignored. So, please know I will *NOT* ever send you a direct email off-list that is anything but something of importance to you personally.

Recently I attempted to send an email to someone whose PayPal dues payment failed, just to advise him, since I wasn't sure PayPal sends a notice to the payer when a payment fails - they do send one to the Payee. No big deal, but if your PayPal account has an expired credit card (most likely scenario) it would be nice if someone would let you know instead of getting angry.

So, PLEASE add this address to your "safe address" list.

--

Jack Hill, W4KH - BoatAnchors Listowner/Archiver
listown at nanniandjack.com

"Plus ca change, plus c'est la meme chose"

"Il n'y a que les idiots qui ne changent jamais d'idee"

From knjhanlon at msn.com Thu Apr 2 16:34:02 2015

From: knjhanlon at msn.com (JAMES HANLON)

Date: Thu, 2 Apr 2015 14:34:02 -0600

Subject: [BoatAnchors] FW: [nmqrp] very important

In-Reply-To: <00bf01d06d54\$f24430a0\$d6cc91e0\$@gmail.com>

References: <00bf01d06d54\$f24430a0\$d6cc91e0\$@gmail.com>

Message-ID: <BLU184-W5389E03058BB39B448B112A0F20@phx.gbl>

I hope you folks will support this effort. Jim, W8KGI To: NMQRP at
yahoogroups.comCC: W5YA at yahoogroups.comFrom: nmqrp at yahoogroups.comDate: Thu,
2 Apr 2015 08:54:37 -0600Subject: [nmqrp] very important

A bill has actually been introduced into Congress which would extend the provisions of PRB-1 to CC&R's, REQUIRING then to accommodate outdoor antennas for amateur radio operators. It is critically important that LOTS of people send letters to their representatives in support, or this bill will go nowhere. Go here: <http://www.arrl.org/hr-1301> for details, but also, the ARRL is asking that we send our letters to THEM, so that: * the letter doesn't go to a place in Maryland where it takes six weeks or more to be screened for explosives, and * they have a reason to call upon the representative face to face to deliver a bunch of letters to them. In Santa Fe County, it is almost impossible to purchase a home where CC&R's don't crush ham radio. If one does find and select one of the rare pieces, it still can take YEARS to get a permit for even the most modest of antenna supports. County law is only just now getting around to complying with NM state's PRB-1. 73, Fred KT5X

--.-'-.---

Reply via web post

?

Reply to sender

?

Reply to group

?

Start a New Topic

?

Messages in this topic

(1)

Visit Your Group

[? Privacy](#) [? Unsubscribe](#) [? Terms of Use](#)

.

--'-'-'---

From wb3fau55 at neo.rr.com Fri Apr 3 19:07:46 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Fri, 3 Apr 2015 19:07:46 -0400

Subject: [BoatAnchors] receiver sensitivity DBM
Message-ID: <20150403230746.76N3K.178308.root@cdptpa-web11>

Looking at newer tests done on a perfectly restored R390A receiver, the spec is given as -141DBM, an incredible number for sure. I have seen specs on a SDR receiver as -132DBM. So is the R390A better? Like to hear from the smart guys on this, thanks 73s Russ wb3fau.

From spr at earthlink.net Fri Apr 3 19:21:20 2015
From: spr at earthlink.net (Scott Robinson)
Date: Fri, 03 Apr 2015 16:21:20 -0700
Subject: [BoatAnchors] receiver sensitivity DBM
In-Reply-To: <20150403230746.76N3K.178308.root@cdptpa-web11>
References: <20150403230746.76N3K.178308.root@cdptpa-web11>
Message-ID: <551F2070.2060006@earthlink.net>

Hi,

Be careful of how sensitivity is measured.

The standard way is to feed an AM signal of known amplitude and 30% modulation into the receiver and adjust the level so that turning the MODULATION--NOT the carrier--on and off makes a 10 dB difference. The result depends on the receiver bandwidth, of course; I think the usual is 3 kHz audio bandwidth, equivalent to 6 kHz IF bandwidth for AM.

I have seen data quoted where the carrier is switched on and off, and you get much better numbers that way...except that doesn't represent.

If you choose a CW appropriate 100 Hz IF bandwidth, you will probably get a result about 18 dB better, plus whatever improvement you get from turning carrier rather than modulation on and off.

Regards,

Scott

On 4/3/15 4:07 PM, Russ Dworakowski WB3FAU via BoatAnchors wrote:

> Looking at newer tests done on a perfectly restored R390A receiver, the spec is given as -141DBM, an incredible number for sure. I have seen specs on a SDR receiver as -132DBM. So is the R390A better? Like to hear from the smart guys on this, thanks 73s Russ wb3fau.

> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From 1oldlens1 at ix.netcom.com Fri Apr 3 19:29:34 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Fri, 03 Apr 2015 16:29:34 -0700
Subject: [BoatAnchors] receiver sensitivity DBM
In-Reply-To: <20150403230746.76N3K.178308.root@cdptpa-web11>
References: <20150403230746.76N3K.178308.root@cdptpa-web11>
Message-ID: <551F225E.2040104@ix.netcom.com>

I wonder where you saw this spec. It doesn't look right to me. The only really meaningful spec is noise factor or noise figure. This is the noise level produced by the receiver in comparison to the theoretical thermal noise at its input. Its measured with a calibrated noise source. The reason NF is meaningful is that it accounts automatically for the bandwidth and pass band shape of the receiver. Of course, it assumes that the predominant noise at the output occurs at the RF stage and not later. This is reasonably true of most receivers although some mixer circuits can add significant noise. The thermal noise is equal to $V_n = (4KTRB)^{1/2}$ That is the square root of 4 times absolute temperature in degrees Kelvin times effective resistance in ohms times the bandwidth in Hertz. R is the effective resistance of the input stage. The receiver is measured with a calibrated termination and with the noise source and the ratio taken to get the NF.

In many receiver noise specs the spec leaves out bandwidth and other important parameters.

Also, the R-390 uses the same RF tubes as many other receivers. The input noise is generated mostly by the tube so its unlikely receivers using similar tubes and with similar bandwidths will differ much in noise.

There is a good article on Johnson noise (thermal noise) at:
http://en.wikipedia.org/wiki/Johnson%E2%80%93Nyquist_noise

There is a brief explanation of NF at:
http://en.wikipedia.org/wiki/Noise_figure
and a google search will bring lots more.

On 4/3/2015 4:07 PM, Russ Dworakowski WB3FAU via BoatAnchors wrote:

> Looking at newer tests done on a perfectly restored R390A receiver, the spec is given as -141DBM, an incredible number for sure. I have seen specs on a SDR receiver as -132DBM. So is the R390A better? Like to hear from the smart guys on this, thanks 73s Russ wb3fau.

> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From 1oldlens1 at ix.netcom.com Fri Apr 3 19:51:53 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Fri, 03 Apr 2015 16:51:53 -0700
Subject: [BoatAnchors] receiver sensitivity DBM
In-Reply-To: <551F2070.2060006@earthlink.net>
References: <20150403230746.76N3K.178308.root@cdptpa-web11>
<551F2070.2060006@earthlink.net>
Message-ID: <551F2799.2000402@ix.netcom.com>

I think I found the source of the noise spec its at the Softrock site. I am not sure how this was measured. The method you describe is a common one given for receivers and is useful in checking if the receiver meets the manufacturer's specs but not in comparing one type of receiver with another. There is a variation of it for CW sensitivity which is the one where the BFO is turned on an off with a constant carrier and the relative noise measured. Again, this is mainly useful in telling if a receiver meets its specs. These are essentially trouble shooting techniques.

I found a pretty good tutorial on receiver noise at:
http://www.phys.hawaii.edu/~anita/new/papers/militaryHandbook/rcvr_sen.pdf

On 4/3/2015 4:21 PM, Scott Robinson via BoatAnchors wrote:

> Hi,
>
> Be careful of how sensitivity in measured.
>
> The standard way is to feed an AM signal of known amplitude and 30%
> modulation into the reciever and adjust the level so that turning the
> MODULATION--NOT the carrier--on and off makes a 10 dB difference. The
> result depends on the receiver bandwidth, of course; I think the usual
> is 3 kHz audio bandwidth, equivalent to 6 kHz IF bandwidth for AM.
>
> I have seen data quoted where the carrier is switched on and off, and
> you get much better numbers that way...except that doesn't represent.
>
> If you choose a CW appropriate 100 Hz IF bandwidth, you will probably
> get a result about 18 dB better, lus whatever improvement yo uget from

> turning carrier rather than modulation on and off.
>
> Regards,
>
> Scott
>
> On 4/3/15 4:07 PM, Russ Dworakowski WB3FAU via BoatAnchors wrote:
>> Looking at newer tests done on a perfectly restored R390A receiver,
>> the spec is given as -141DBM, an incredible number for sure. I have
>> seen specs on a SDR receiver as -132DBM. So is the R390A better?
>> Like to hear from the smart guys on this, thanks 73s Russ wb3fau.
>> -----
>> BoatAnchors mailing list
>> BoatAnchors at theporch.com
>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From 1oldlens1 at ix.netcom.com Fri Apr 3 19:53:49 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Fri, 03 Apr 2015 16:53:49 -0700
Subject: [BoatAnchors] receiver sensitivity DBM
In-Reply-To: <551F2070.20600006@earthlink.net>
References: <20150403230746.76N3K.178308.root@cdptpa-web11>
<551F2070.20600006@earthlink.net>
Message-ID: <551F280D.1000907@ix.netcom.com>

I left out the K in my formula, its Boltzman's constant. Look it up.
I also found a good noise calculator at
<http://www.radio-electronics.com/info/rf-technology-design/noise/thermal-calculations.php>

On 4/3/2015 4:21 PM, Scott Robinson via BoatAnchors wrote:
> Hi,
>
> Be careful of how sensitivity is measured.
>

> The standard way is to feed an AM signal of known amplitude and 30%
> modulation into the receiver and adjust the level so that turning the
> MODULATION--NOT the carrier--on and off makes a 10 dB difference. The
> result depends on the receiver bandwidth, of course; I think the usual
> is 3 kHz audio bandwidth, equivalent to 6 kHz IF bandwidth for AM.
>
> I have seen data quoted where the carrier is switched on and off, and
> you get much better numbers that way...except that doesn't represent.
>
> If you choose a CW appropriate 100 Hz IF bandwidth, you will probably
> get a result about 18 dB better, plus whatever improvement you get from
> turning carrier rather than modulation on and off.
>
> Regards,
>
> Scott
>
> On 4/3/15 4:07 PM, Russ Dworakowski WB3FAU via BoatAnchors wrote:
>> Looking at newer tests done on a perfectly restored R390A receiver,
>> the spec is given as -141DBM, an incredible number for sure. I have
>> seen specs on a SDR receiver as -132DBM. So is the R390A better?
>> Like to hear from the smart guys on this, thanks 73s Russ wb3fau.
>> -----
>> BoatAnchors mailing list
>> BoatAnchors at theporch.com
>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

--
Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From k9fd at flex.com Fri Apr 3 20:26:36 2015
From: k9fd at flex.com (Merv Schweigert)
Date: Fri, 03 Apr 2015 14:26:36 -1000
Subject: [BoatAnchors] receiver sensitivity DBM
In-Reply-To: <551F280D.1000907@ix.netcom.com>
References: <20150403230746.76N3K.178308.root@cdptpa-web11>
<551F2070.2060006@earthlink.net> <551F280D.1000907@ix.netcom.com>
Message-ID: <551F2FBC.9070709@flex.com>

For a comparison on receivers using the same test setup, take a look here, Sherwood is pretty respected in his measurements,

<http://www.sherweng.com/table.html>

The R390 is on the list, the list is more or less sorted by performance specs,

I would not be sorting by sensitivity, almost all receivers are more than sensitive enough and are limited by band noise.

73 Merv K9FD/KH6

>

From spr at earthlink.net Fri Apr 3 22:26:24 2015
From: spr at earthlink.net (Scott Robinson)
Date: Fri, 03 Apr 2015 19:26:24 -0700
Subject: [BoatAnchors] receiver sensitivity DBM
In-Reply-To: <551F2799.2000402@ix.netcom.com>
References: <20150403230746.76N3K.178308.root@cdptpa-web11>
<551F2070.2060006@earthlink.net> <551F2799.2000402@ix.netcom.com>
Message-ID: <551F4BD0.9000503@earthlink.net>

Hi Richard,

I don't see why (if sensitivity is what you want to measure) the 10 dB s/s+n method cannot be used to rank order receivers of equal IF bandwidth. BTW, my R-390A does about 2 uV this way, as does my SX-28A...especially after I fixed the lightning zapped antenna coil on one band. I now always check ant-gnd resistance on all bands when doing a receiver.

I agree that atmospheric background noise is the dominant factor below about 30 MHz (? frequency) and so, unless you are limited to a rather small antenna (condo rules...?) most receivers are as sensitive as is needed.

Regards,

Scott

On 4/3/15 4:51 PM, Richard Knoppow via BoatAnchors wrote:

>

> I think I found the source of the noise spec its at the Softrock

> site. I am not sure how this was measured. The method you describe is
> a common one given for receivers and is useful in checking if the
> receiver meets the manufacturer's specs but not in comparing one type of
> receiver with another. There is a variation of it for CW sensitivity
> which is the one where the BFO is turned on and off with a constant
> carrier and the relative noise measured. Again, this is mainly useful
> in telling if a receiver meets its specs. These are essentially trouble
> shooting techniques.

> I found a pretty good tutorial on receiver noise at:
> http://www.phys.hawaii.edu/~anita/new/papers/militaryHandbook/rcvr_sen.pdf
>
>
>

> On 4/3/2015 4:21 PM, Scott Robinson via BoatAnchors wrote:
>> Hi,
>>
>> Be careful of how sensitivity is measured.
>>
>> The standard way is to feed an AM signal of known amplitude and 30%
>> modulation into the receiver and adjust the level so that turning the
>> MODULATION--NOT the carrier--on and off makes a 10 dB difference. The
>> result depends on the receiver bandwidth, of course; I think the usual
>> is 3 kHz audio bandwidth, equivalent to 6 kHz IF bandwidth for AM.
>>
>> I have seen data quoted where the carrier is switched on and off, and
>> you get much better numbers that way...except that doesn't represent.
>>
>> If you choose a CW appropriate 100 Hz IF bandwidth, you will probably
>> get a result about 18 dB better, plus whatever improvement you get from
>> turning carrier rather than modulation on and off.
>>
>> Regards,
>>
>> Scott
>>

>> On 4/3/15 4:07 PM, Russ Dworakowski WB3FAU via BoatAnchors wrote:
>>> Looking at newer tests done on a perfectly restored R390A receiver,
>>> the spec is given as -141dBm, an incredible number for sure. I have
>>> seen specs on a SDR receiver as -132dBm. So is the R390A better?
>>> Like to hear from the smart guys on this, thanks 73s Russ wb3fau.
>>> -----
>>> BoatAnchors mailing list
>>> BoatAnchors at theporch.com
>>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>>>
>> -----
>> BoatAnchors mailing list
>> BoatAnchors at theporch.com

>> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>>
>

From 1oldlens1 at ix.netcom.com Fri Apr 3 23:38:01 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Fri, 03 Apr 2015 20:38:01 -0700
Subject: [BoatAnchors] receiver sensitivity DBM
In-Reply-To: <551F4BD0.9000503@earthlink.net>
References: <20150403230746.76N3K.178308.root@cdptpa-web11>
<551F2070.2060006@earthlink.net> <551F2799.2000402@ix.netcom.com>
<551F4BD0.9000503@earthlink.net>
Message-ID: <551F5C99.1030206@ix.netcom.com>

Assuming the bandwidth is really about the same the method works fine. Its just that some receivers are more selective than others and will yield higher signal to noise ratios. In some cases the bandwidth is not specified. For instance, the handbook for my RCA AR-88 does not indicate the bandwidth but I get values that about agree with the book with the narrowest non-crystal bandwidth (about 7 khz) and of course better when set at the approximately 3 khz wide crystal position. BTW, this receiver will do better than 2 uV. I think the SX-28A has a rather high Gm, low noise tube in the first RF. I suspect the R-390 and R-390A were designed as much not to block on strong signals as to have absolute maximum sensitivity.

I looked at the chart that Sherwood Engineering publishes on the web and it does show receivers with noise floors on the order of -140dbm. Another site shows the thermal noise for 50 ohms at room temperature at something like -170 dbm so -140 is not impossible or even remarkable.

On 4/3/2015 7:26 PM, Scott Robinson wrote:

> Hi Richard,

>

> I don't see why (if sensitivity is what you want to measure) the 10 dB
> s/s+n method cannot be used to rank order receivers of equal IF
> bandwidth. BTW, my R-390A does about 2 uV this way, as does my
> SX-28A...especially after I fixed the lightning zapped antenna coil on
> one band. I now always check ant-gnd resistance on all bands when
> doing a receiver.

>

> I agree that atmospheric background noise is the dominant factor below
> about 30 MHz (? frequency) and so, unless you are limited to a rather
> small antenna (condo rules...?) most receivers are as sensitive as is
> needed.

>

> Regards,

>
> Scott

--

Richard Knoppow
1oldlens1 at ix.netcom.com
WB6KBL

From wb3fau55 at neo.rr.com Sat Apr 4 07:39:24 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Sat, 4 Apr 2015 7:39:24 -0400
Subject: [BoatAnchors] RX sensitivity
Message-ID: <20150404113925.CJBM7.68063.root@cdptpa-web14>

Thanks for some input on this matter. Some additional info for you about my set up. I am monitoring CW beacons on 10m, 28.100 to 28.300. Some very low level signals, as I have logged one as low as 400mW output power. Present receiver in use- Collins 51S1, pretty damn sensitive. Antennas- a Hustler 4BTV ground mounted with radials. Also a Drake R8A connected to a 120ft off center fed long wire. I am a boatanchor person, so I love BA receivers. So I know little of SDR receivers, But I am told that if I get one, the noise figure is incredible and I will give up on my BA rigs. thanks guys, Russ.

From arc5 at ix.netcom.com Sat Apr 4 15:11:22 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Sat, 4 Apr 2015 14:11:22 -0500
Subject: [BoatAnchors] Estates 4-4
Message-ID: <A92CB8C18FC342DA8460DA28DE7DC749@DaddyPC>

Not mine, don't know them etc. FYI only.

Topeka, KS.
Has an Atlas 210 with base and mobile mounts.
<http://topeka.craigslist.org/gms/4963399796.html>

Huntsville, AL HQ-145
<http://huntsville.craigslist.org/ele/4962662725.html>

La Crosse, IN
<http://chicago.craigslist.org/nwi/ele/4963712184.html>

Oxnard, CA Including a NOS Original Box 160M ARC-5
and a real pretty National HRO
<http://ventura.craigslist.org/ele/4962543934.html>

Lincoln, CA
<http://sacramento.craigslist.org/ele/4962619577.html>

Puyallup, WA Hallicrafters Rx and spkrs.
<http://seattle.craigslist.org/tac/ele/4962545773.html>

73 Dave S.

From arc5 at ix.netcom.com Sun Apr 5 22:32:13 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Sun, 5 Apr 2015 21:32:13 -0500
Subject: [BoatAnchors] Estate and Interesting 4-5
Message-ID: <E24082B56C2B4AEB9D2A91FF77FED926@DaddyPC>

North Wilkesboro, NC Estate
Lots of goodies.
<http://asheville.craigslist.org/atq/4964418124.html>

Drake Twins.
Columbus, OH
<http://columbus.craigslist.org/gms/4965265549.html>

Olney, Maryland.
Drake Twins with AC-4 and Spkr \$199
Kinda rough but the price is right.
<http://washingtondc.craigslist.org/mld/ele/4964157634.html>

Not mine, etc.

From arc5 at ix.netcom.com Wed Apr 8 10:28:10 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Wed, 8 Apr 2015 09:28:10 -0500
Subject: [BoatAnchors] Estates and Interesting Stuff 4-08
Message-ID: <3DDBF7A51C4B4D05B9272F415FD8B5F6@DaddyPC>

Pocatello, Idaho
Collins 51J3, SP-600jx17, TenTec Herc
<http://omaha.craigslist.org/ele/4967761028.html>

Sadalia, CO
Johnson Ranger 1, Halli SX-99
<http://denver.craigslist.org/ele/4967881997.html>

St. Clairsville, OH

Kinda thin on Ham but some cool stuff
<http://zanesville.craigslist.org/gms/4966946363.html>

Oxnard, CA
Since this is still being offered, I'm guessing his
prices are high and he won't see reason?
<http://ventura.craigslist.org/ele/4965350219.html>

Gillette, NJ
Really nice BC-610.
<http://newjersey.craigslist.org/ele/4958956999.html>

North Jersey
I'm including this just because this radio is
so ugly, it's cute.
<http://newjersey.craigslist.org/ele/4968289109.html>

Carson, NV
National NC-100-ASD with Spkr.
<http://reno.craigslist.org/atq/4967991703.html>

Atascadero, CA

Hallicrafters SX-16 with matching speaker. Cool!
<http://slo.craigslist.org/ele/4965534551.html>

Tacoma/Olympia WA area.
Halli SX-99 with speaker
<http://seattle.craigslist.org/tac/ele/4968679953.html>

Belfair, WA

National HFS with doghouse.

<http://seattle.craigslist.org/kit/ele/4968284508.html>
National 173 with speaker
<http://seattle.craigslist.org/kit/ele/4968228242.html>

From arc5 at ix.netcom.com Thu Apr 9 11:11:44 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 9 Apr 2015 10:11:44 -0500
Subject: [BoatAnchors] Denver, Staffrod VA, Bosie Goodies
Message-ID: <7B966B57F45B4E429BE9AD1749593E56@DaddyPC>

Denver Estate with Halli HT-37 and SX-90-something
receiver. Other cool gizmos.
<http://denver.craigslist.org/gms/4970606784.html>

Stafford, VA
Collins KWS-1 on some kind of Collins stand
I've never seen before but looks cool.
And an air hose??
<http://washingtondc.craigslist.org/nva/ele/4969980798.html>

Boise, ID
STUFF Including National "B" eliminator, HQ-129X
<http://boise.craigslist.org/gms/4970331535.html>

From gumbear at pacbell.net Thu Apr 9 15:22:13 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 9 Apr 2015 12:22:13 -0700
Subject: [BoatAnchors] Anchor Clankers,
Message-ID: <C4FD9956A90144609A6F4A91E7BAFE1B@KB6NAX>

Anchor Clankers,

I recently acquired one of Edwin Armstrong's progeny, a REL (Radio Engineering Laboratories) model 646 FM receiver. Yeah, it's really a boat anchor, rack size and built to commercial quality. Designed to the pre war 44-50 MHz band, it emerged after the war as a dual band rig with a band switch for the 88-108 MHz band. A later model 646B deleted the 44-50 MHz band.

This specimen, with no serial number tag, was a hacker's delight. The original loktal 7F7 and 10 watt output push-pull 7C5's audio amplifier was replaced with a haywire mess using a 12AX7 and 6V6GT's. The output transformer was replaced with a Langevin 302, which for what I can make of it, is no real improvement over the original design transformer. So into the hazardous material scrap heap, save the transformer, went the ?new? audio amp to be replaced with the original circuit including the original loktal tubes (BTW, loktals go for reasonable prices on the

eBog). A minor tweak of the compensation capacitor made for best transient response.

Then the rest of the restoration task began. Out went all of the Sangamo virtual short circuited paper caps which I replaced with disk and tubular ceramics. A near dozen carbon comp resistors were way out of tolerance and also went to the hazardous waste disposal. The cigar size carbon comp 150K B+ bleeder was open, speaking of tolerances. Amazingly the original power supply electrolytics had identical low ESR readings and didn't need reforming.

The remaining conundrum is the IF transformers. The schematic shows swamping resistors across one of the windings in each transformer, no doubt their purpose is to set bandwidth. But the resistor and capacitor values are not shown on the schematic (available from Nostalgia Air). It appears there may have been some messing with the IF transformers, probably to narrow the bandwidth for FM DXing or some other vanity enhancing purpose. The outboard detector 10K load resistors had been replaced with 390K which is a hint of what may be expected. I of course replaced them with 10K's. But what do I do if I find the IF can resistors had been mucked with? I have no info as to the original values used.

Does anyone have info that may prevent my head from spinning? Any Green Monster experts out there?

Thanks for hearing my cause.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
-Immanuel Kant

From k1lky68 at gmail.com Thu Apr 9 17:03:03 2015
From: k1lky68 at gmail.com (Roy Morgan)
Date: Thu, 9 Apr 2015 17:03:03 -0400
Subject: [BoatAnchors] Anchor Clankers,
In-Reply-To: <C4FD9956A90144609A6F4A91E7BAFE1B@KB6NAX>
References: <C4FD9956A90144609A6F4A91E7BAFE1B@KB6NAX>
Message-ID: <6FC05A70-D070-4D54-A322-C31D453DBE6C@gmail.com>

On Apr 9, 2015, at 3:22 PM, Arden Allen via BoatAnchors <boatanchors at theporch.com> wrote:

> Anchor Clankers,
>

> I recently acquired one of Edwin Armstrong's progeny, a REL (Radio Engineering Laboratories) model 646 FM receiver. ... But what do I do if I find the IF can resistors had been mucked with? I have no info as to the original values used.

Arden,

This is a long shot:

- 1) The Radiation Laboratory Book "Vacuum Tube Amplifiers" by Valley and Wallman has a section detailing the theory and practice of creating wide bandwidth IF amplifiers by controlling the Q and tuning point of the transformers used. The application is to radar IF amplifiers, typically 30 mc at that time. It *might* lead you to a guess as to the swamping resistor values. I don't know what IF frequency is used in your radio.
- 2) The R-390 receiver uses swamping resistors in the IF cans to set the bandwidth of the overall amplifier (The R-390A may also, I don't remember). Those values, if provided, may also give you a hint as to what is needed. The IF in those radios is at 455 kc.
- 3) Lastly, the process of sweep alignment of the IF strip and some cut and try may lead to a very nice result in setting the needed bandwidth. I can suggest some candidate sweep generators, only one of the ones I know about is more or less modern and might possibly be found at auction or at hamfests (the HP 8106A). The danger is that once you get used to sweep alignment, you really won't want to go back to earlier methods.

If the IF is high enough in frequency, and you happen to have a modern signal generator that will do wide FM, then you can use that, of course. Or you can use an FM signal into the front end of the radio and assume the IF frequency is being swept well enough.

Note: I would like to find an HP 8106A at a reasonable price.

Roy

Roy Morgan
k1lky68 at gmail.com
K1LKY Since 1958

From gumbear at pacbell.net Thu Apr 9 17:33:43 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 9 Apr 2015 14:33:43 -0700
Subject: [BoatAnchors] Anchor Clankers,

In-Reply-To: <6FC05A70-D070-4D54-A322-C31D453DBE6C@gmail.com>

References: <C4FD9956A90144609A6F4A91E7BAFE1B@KB6NAX>

<6FC05A70-D070-4D54-A322-C31D453DBE6C@gmail.com>

Message-ID: <4633D21C2CB2413E8C4A1DF92649DF29@KB6NAX>

> This is a long shot:

Thanks, Roy, for the suggestions. My sweeper is a Paco G-32 that I lovingly upgraded to better RF shielding and attenuation and tighter constant level control. I've used it on everything for years now and haven't felt a need for an HP or whatever with all their complications. Measuring the bandwidth as is won't be a problem. I'd guess for a mono tuner of its vintage the bandwidth should be about 200 or a little less kHz. Just a guess.

The problem is extracting each of the IF cans from the chassis, figuring out what resistor belongs in it, assuming I find they have been changed, and doing that for all the cans in the five stage IF strip. The frequency, as in practically every FM broadcast tuner ever made is 10.7 MHz. Not being an FM radio design engineer I can't do all the modeling and math, which would probably take months, to re-engineer the thing. So wish me luck ;-)

Arden Allen

KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From bill at iaxs.net Thu Apr 9 18:25:16 2015

From: bill at iaxs.net (Bill Hawkins)

Date: Thu, 9 Apr 2015 17:25:16 -0500

Subject: [BoatAnchors] Anchor Clankers,

In-Reply-To: <4633D21C2CB2413E8C4A1DF92649DF29@KB6NAX>

References: <C4FD9956A90144609A6F4A91E7BAFE1B@KB6NAX>

<6FC05A70-D070-4D54-A322-C31D453DBE6C@gmail.com>

<4633D21C2CB2413E8C4A1DF92649DF29@KB6NAX>

Message-ID: <ADA39334475D4C0EB99CA4A66C50005D@system072>

Roy, The R390A used mechanical filters to set the bandwidth. I no longer have a 390 manual to verify that it's bandwidth switch changed the swamping resistors until it got to the crystal filter. The 390 IF cans may have been stagger tuned to get 16 KC bandwidth.

Think I'd start by sweeping the existing IF strip to see if it was

adequate. If not, I'd try resistors divided by a factor of two until the right bandwidth was bracketed, then narrow that down by halves. Stagger tuning will complicate the process, but it's only necessary if it is required to get the bandwidth after the swamping resistor value removes too much of the transformer 'gain'.

Perhaps a survey of similar receivers would suggest values.

Do the IF cans look like they'd been removed? (nah, too obvious)

Regards,
Bill Hawkins

-----Original Message-----

From: Arden Allen via BoatAnchors

Sent: Thursday, April 09, 2015 4:34 PM

---- %< ---- [trimmed for the BA archives]

> This is a long shot:

Thanks, Roy, for the suggestions. My sweeper is a Paco G-32 that I lovingly upgraded to better RF shielding and attenuation and tighter constant level control. I've used it on everything for years now and haven't felt a need for an HP or whatever with all their complications. Measuring the bandwidth as is won't be a problem. I'd guess for a mono tuner of its vintage the bandwidth should be about 200 or a little less kHz. Just a guess.

From gumbear at pacbell.net Thu Apr 9 23:06:19 2015

From: gumbear at pacbell.net (Arden Allen)

Date: Thu, 9 Apr 2015 20:06:19 -0700

Subject: [BoatAnchors] Anchor Clankers,

In-Reply-To: <ADA39334475D4C0EB99CA4A66C50005D@system072>

References: <C4FD9956A90144609A6F4A91E7BAFE1B@KB6NAX>

<6FC05A70-D070-4D54-A322-C31D453DBE6C@gmail.com>

<4633D21C2CB2413E8C4A1DF92649DF29@KB6NAX>

<ADA39334475D4C0EB99CA4A66C50005D@system072>

Message-ID: <C2F908712E2C4567879AC766F09BF382@KB6NAX>

> Perhaps a survey of similar receivers would suggest values.

>

> Do the IF cans look like they'd been removed? (nah, too obvious)

Finding a "similar" receiver, Bill, may be too much of a reach. Of the five IF stages the final two are limiters. Each stage by the schematic looks like there was a lot of effort to keep the stages from oscillating by themselves, cathode degeneration is used in two of the early stages. The screen voltages are of several different values. None of this surprises me. Ah, yes, the IF cans have been removed from the redone soldering on their terminals. I may pull one just to see what may have been the hacker's concern. Thanks for the suggestions.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From 4cx250b at miamioh.edu Thu Apr 9 23:38:34 2015
From: 4cx250b at miamioh.edu (Jim Garland)
Date: Thu, 9 Apr 2015 21:38:34 -0600
Subject: [BoatAnchors] Value of NC109?
Message-ID: <007c01d0733f\$d32bc7a0\$798356e0\$miamioh.edu>

Hi All,

I got an email from a lady who wants to sell her husband's (deceased, I suspect) National NC109 and wants to know a fair price for the radio. She sent along two photos, one of the front panel and the other a front view with the included matching speaker. The front panels of both the radio and the speaker look excellent, collector-grade quality. She said the radio lights up, but otherwise she doesn't know if it works. I doubt she knows how to attach the speaker.

She said her husband bought it used in 1959. I doubt he was a ham. All the knobs are original, the dial isn't yellowed, and the radio appears to have virtually no visible wear. I emailed her and asked about the cosmetic condition of the cabinet, and will let you know what I find out. Also, I asked her where she lives, since many buyers would prefer not to ship the radio.

Please email me privately with your guess of a reasonable price range. I've had NC300s and NC303s, but never have had an NC109. If she lives nearby (unlikely) I'd be inclined to buy the radio myself. It looks like a beauty, especially since it comes with the matching speaker..

73,

Jim W8ZR

4cx250b at miamioh.edu or w8zr at arrl.net

From john.shriver at gmail.com Fri Apr 10 10:00:57 2015
From: john.shriver at gmail.com (John Shriver)
Date: Fri, 10 Apr 2015 10:00:57 -0400
Subject: [BoatAnchors] Anchor Clankers,
In-Reply-To: <C2F908712E2C4567879AC766F09BF382@KB6NAX>
References: <C4FD9956A90144609A6F4A91E7BAFE1B@KB6NAX>
<6FC05A70-D070-4D54-A322-C31D453DBE6C@gmail.com>
<4633D21C2CB2413E8C4A1DF92649DF29@KB6NAX>
<ADA39334475D4C0EB99CA4A66C50005D@system072>
<C2F908712E2C4567879AC766F09BF382@KB6NAX>
Message-ID: <CAEv8c7F454Zc2AhAuonAs+ATofwXcYPt26V9uhxqrQC6+pD=9A@mail.gmail.com>

Hopefully the IF cans were only opened to replace intermittent wafer capacitors with soldered-in ones. (The normal K-Trans problem.)

The REL tuners have a serious audiophile following, if you look at sites in "that world" you may find folks with technical information on this tuner. In particular, the REL Precedent is seriously valuable.

One has to be careful about IF bandwidth in FM tuners these days, due to the accursed digital "HD radio" that's up in what used to be the SCA subcarrier area. Too much bandwidth, and you get all sorts of birdies from it. I used a Dynamo FM-3 for many years, carefully tweaked and aligned, but when key local stations put on HD, it became unlistenable. The FM-3 has a broad IF, designed for a very flat passband without any phase shifts. This gave it low distortion, but not much in selectivity or sensitivity. (I replaced the Dynaco with a very non-boatanchor Pioneer F-91, which is an amazingly good tuner.)

From knjhanlon at msn.com Fri Apr 10 15:45:02 2015
From: knjhanlon at msn.com (JAMES HANLON)
Date: Fri, 10 Apr 2015 13:45:02 -0600

Subject: [BoatAnchors] Value of NC-109

Message-ID: <BLU184-W3672969CBCE6FB108EAA50A0FA0@phx.gbl>

Jim,

According to Raymond Moore, the NC-109 was built from 1957 to 1960 and sold for \$199.95. It's an 11 tube job with 1 RF, 2 IFs, Crystal Filter, 6BE6 product detector, and a 6AQ5 audio output delivering 1.5 watts. As a starting guess, I'd venture that it would be worth about what was paid for it originally. Add a few more bucks for the speaker.

Jim, W8KGI

From hurstjsj at gmail.com Fri Apr 10 22:48:48 2015

From: hurstjsj at gmail.com (John Hurst)

Date: Fri, 10 Apr 2015 19:48:48 -0700

Subject: [BoatAnchors] Value of NC-109

In-Reply-To: <BLU184-W3672969CBCE6FB108EAA50A0FA0@phx.gbl>

References: <BLU184-W3672969CBCE6FB108EAA50A0FA0@phx.gbl>

Message-ID: <017401d07402\$09bea4f0\$1d3beed0\$@com>

Last NC-109s Sold for on the Bay:

1. Nice cosmetic good operating---\$85
- 2 With speaker ---\$102.50
3. Unknown op condition ----\$25
4. For parts or repair----\$50

IMHO, as a long time National collector, the NC-109 is pretty far down the "collectability" list.

John, KU6X

-----Original Message-----

From: BoatAnchors [mailto:boatanchors-bounces at theporch.com] On Behalf Of JAMES HANLON via BoatAnchors

Sent: Friday, April 10, 2015 12:45 PM

To: boatanchors

Subject: Re: [BoatAnchors] Value of NC-109

Jim,

According to Raymond Moore, the NC-109 was built from 1957 to 1960 and sold for \$199.95. It's an 11 tube job with 1 RF, 2 IFs, Crystal Filter, 6BE6 product detector, and a 6AQ5 audio output delivering 1.5 watts. As a starting guess, I'd venture that it would be worth about what was paid for it originally. Add a few more bucks for the speaker.

Jim, W8KGI

BoatAnchors mailing list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From garygarlic at earthlink.net Sat Apr 11 17:32:34 2015
From: garygarlic at earthlink.net (Gary Woods)
Date: Sat, 11 Apr 2015 17:32:34 -0400
Subject: [BoatAnchors] BAMA status?
Message-ID: <ah4jia5nc11o4355jomt74o8nd6i86o15q@4ax.com>

I notice that there don't appear to be any updates for 3 years to the BAMA web site; a couple of Tenma power supplies I uploaded months ago haven't surfaced.

Am I digging in the wrong place?

I'm currently clearing out my file cabinet; boatanchor stuff is safe, but I'm guessing consumer electronics long out of print isn't needed, except for iconic things, like good hollow-state audio, etc.

--

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY WO G

From anchor at ec.rr.com Sun Apr 12 10:30:47 2015
From: anchor at ec.rr.com (Al Parker)
Date: Sun, 12 Apr 2015 10:30:47 -0400
Subject: [BoatAnchors] BAMA status?
In-Reply-To: <ah4jia5nc11o4355jomt74o8nd6i86o15q@4ax.com>
References: <ah4jia5nc11o4355jomt74o8nd6i86o15q@4ax.com>
Message-ID: <552A8197.1080408@ec.rr.com>

Hi Gary,

Your Tenma files can be found by going directly to <ftp://bama.edebris.com/uploads/> but apparently there has not been any recent 'editing' activity for some time, maybe back to July 2013.

I have tried to upload files recently, and find I cannot get an ftp connection to <ftp://bama.edebris.com/uploads/> There are additions dated 4/8/15, so it has been available recently.

73,

Al, W8UT

www.boatanchors.org
www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much
worth doing as simply messing about in boats"
Ratty, to Mole

On 4/11/2015 5:32 PM, Gary Woods via BoatAnchors wrote:
> I notice that there don't appear to be any updates for 3 years to the BAMA
> web site; a couple of Tenma power supplies I uploaded months ago haven't
> surfaced.
> Am I digging in the wrong place?
> I'm currently clearing out my file cabinet; boatanchor stuff is safe, but
> I'm guessing consumer electronics long out of print isn't needed, except
> for iconic things, like good hollow-state audio, etc.
>
>

From garygarlic at earthlink.net Sun Apr 12 16:48:52 2015
From: garygarlic at earthlink.net (Gary Woods)
Date: Sun, 12 Apr 2015 16:48:52 -0400
Subject: [BoatAnchors] BAMA status?
In-Reply-To: <552A8197.1080408@ec.rr.com>
References: <ah4jia5nc11o4355jomt74o8nd6i86o15q@4ax.com>
<552A8197.1080408@ec.rr.com>
Message-ID: <vbmlia134cu8d2vkmnrqhqlaufo2mjg8k@4ax.com>

On Sun, 12 Apr 2015 10:30:47 -0400, you wrote:

>Your Tenma files can be found by going directly to
><ftp://bama.edebris.com/uploads/> but apparently there has not been any
>recent 'editing' activity for some time,

Thanks for the info; I got an email from one of the principals, and he told
me that they're in the process of migrating to a new server. Various
things are getting edited/rearranged in the process.
I like to check BAMA for older gear that shows up on E-Pay, as well as what
people on QRZ, etc., have to say about it. Excellent resource for we
...erm.... "experienced" hams!

--

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY WO G

From arc5 at ix.netcom.com Tue Apr 14 10:51:22 2015

From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 14 Apr 2015 09:51:22 -0500
Subject: [BoatAnchors] Estates, Sales and Cool Stuff 4-14
Message-ID: <7A6449935465411B96A65EBBF80D8FFC@DaddyPC>

Not mine, etc.

Dripping Springs, Tex.
Vague ad but who knows.
<http://austin.craigslist.org/gms/4974103174.html>

Parker, CO.
Also vague.
<http://denver.craigslist.org/gms/4976726612.html>

Bowden, GA
Nice Johnson Transmitter plus STUFF
<http://atlanta.craigslist.org/wat/ele/4976884190.html>

Santa Anna, CA
What is it with the vague ads?
<http://orangecounty.craigslist.org/ele/4976871247.html>

Rancho Palos Verdes, CA
Want a UHF KW?
<http://losangeles.craigslist.org/wst/ele/4977715213.html>

Belleville, NJ
Nice, clean looking Hallicrafters Super Skyrider
<http://newjersey.craigslist.org/ele/4975234103.html>

Glen Head, NY
Nice looking Hallicrafter SX-62
<http://newyork.craigslist.org/lgi/ele/4977287807.html>

Ardsley, NY
What is this Hallicrafters transmitter doing
in a furniture store?
<http://newyork.craigslist.org/wch/gms/4976866316.html>

Aloha, OR
You can have the BC-640.
I want the Model 15 Teletype!
<http://portland.craigslist.org/wsc/clt/4976222325.html>

From a.b.bonds at Vanderbilt.Edu Tue Apr 14 12:22:29 2015
From: a.b.bonds at Vanderbilt.Edu (Bonds, A B)
Date: Tue, 14 Apr 2015 16:22:29 +0000
Subject: [BoatAnchors] An object lesson
Message-ID: <C8FFB7BC5D48064D8BF9AD0086503DF94E88275E@ITS-HCWNE107.ds.vanderbilt.edu>

This is a farewell to a good friend, but also an object lesson.

Nelson Weber was my best pal in High School. We were both wire-heads, and he showed considerable skill at circuit analysis and design. At age 15 (around 1962) he designed and built a 100w mono amplifier around an Acrosound output transformer and six 6HF5's in pp parallel. Clean as a whistle. After his visit to the Land of the Little People (elect tech at Ton Son Nhut airbase) he went to work for Dolby labs, acoustivoicing theaters. We were thrown out of more than one high-end audio boutique when he showed up with his calibrated mikes and Altec spectrum analyzer. His last job (to my knowledge) was doing audio for Universal Studios in LA.

Over the years he accumulated an enormous pile of gear, very high-end and usually at fire-sale prices. Think McIntosh, Marantz, Fisher, Dynaco, HH Scott, Ampex. It came to fill his house and his yard.

About three months ago he was diagnosed with pancreatic cancer and entered a hospice a month ago. He died (age 67) on March 10.

His sister and niece cleaned out the house and yard. The gear went to the curb and to a dumpster. What did they know of it? Fortunately someone emptied the dumpster and much of the gear went to Apex Surplus in the San Fernando Valley (some is still there, if you are in the area). But the relatives did not get a dime from it.

Have a plan, folks.

A. B. Bonds

From arc5 at ix.netcom.com Tue Apr 14 22:03:20 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Tue, 14 Apr 2015 21:03:20 -0500
Subject: [BoatAnchors] An object lesson
In-Reply-To: <CAEz8jcQSE4c08p0QJ2ST09GYiXkeAkTsZbx6PnNtkhzD2FbFcA@mail.gmail.com>
References: <C8FFB7BC5D48064D8BF9AD0086503DF94E88275E@ITS-HCWNE107.ds.vanderbilt.edu><6BCDC40EFE3F428381C4F0DF939A879F@DaddyPC><002c01d076d3\$cab1eea0\$6015cbe0\$@sbcglobal.net>
<CAEz8jcQSE4c08p0QJ2ST09GYiXkeAkTsZbx6PnNtkhzD2FbFcA@mail.gmail.com>

Message-ID: <2B0C75537B574B019DC224599437EC3D@DaddyPC>

We have a trusted dealer Kay and I have known for years.
Good, Christian man who has been kinder to me
than I deserve. Have a packet of instructions
should The Almighty get tired of my foolishness
or some train turn me into cat food.
The page for the radio stuff says:

"Call him. Here's his information.
Tell him to take it all, wall to wall.
He will need time to inventory.
He will write you a check.
It will be less than you think it should be
and more than he should pay."

From k7sz at live.com Tue Apr 14 22:24:53 2015
From: k7sz at live.com (Rich Arland)
Date: Tue, 14 Apr 2015 22:24:53 -0400
Subject: [BoatAnchors] FS: National NC-300
Message-ID: <BLU172-W1443D582DC744E96F4B8BEF6E50@phx.gbl>

Against my better judgment I am going to list this receiver on this reflector
rather than e-bay.

I have a very nice NC-303 receiver w/xtal calibrator and original manual. It fires
up and receives on each band. I have limited test gear however, I was able to
determine that every band could receive a signal at the .5uV level. Calibration is
off which indicates that this receiver needs an alignment. The xtal calibrator
works, providing calibration signals every 100 kHz along each band. Turret tuner
works just fine.

Overall cosmetic condx is vy good. The case has apparently been repainted as there
are some small amounts of rust on the top cover. Otherwise this radio looks great.

Pictures will be provided to anyone expressing a SERIOUS interest in purchasing
the radio.

Price: \$275 plus s/h. Shipping is estimated at \$50. This is a HEAVY receiver and
will be expertly packed. Shipping via FedEx ground. Insured for \$300.

IF you are interested PLEASE contact me off-list at: k7sz at live dot com.

vy 73
Rich Arland
K7SZ

From bkemp at bobkemp.com Wed Apr 15 13:46:18 2015
From: bkemp at bobkemp.com (Bob Kemp)
Date: Wed, 15 Apr 2015 12:46:18 -0500
Subject: [BoatAnchors] Hygain vf550A
Message-ID: <tiq7hsokowry2vhiyvw00frp.1429119978535@email.android.com>

Looking for the above unit....has the blue stripe vs the gold stripe rhat the galaxy gt550 had.

Thanks
Wa0vrc

Sent from my Samsung Epic? 4G Touch

From whitebear1122 at comcast.net Wed Apr 15 22:13:38 2015
From: whitebear1122 at comcast.net (Whitebear1122)
Date: Wed, 15 Apr 2015 21:13:38 -0500
Subject: [BoatAnchors] [Boatanchors] An object lesson
In-Reply-To: <865446692.4400145.1429113196218.JavaMail.yahoo@mail.yahoo.com>
References: <C8FFB7BC5D48064D8BF9AD0086503DF94E88275E@ITS-HCWNE107.ds.vanderbilt.edu>
<6BCDC40EFE3F428381C4F0DF939A879F@DaddyPC>
<002c01d076d3\$cab1eea0\$6015cbe0\$@sbcglobal.net>
<CAEz8jcQSE4c08p0QJ2ST09GYiXkeAkTsZbx6PnNtkhzD2FbFcA@mail.gmail.com>
<865446692.4400145.1429113196218.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <97C20E2A-780B-4A47-967B-97BAA788D705@comcast.net>

This is a very Interesting topic because we all will be faced with selling our equipment and/our families will be faced with selling or dumping our stuff if we die prematurely or end up in some nursing home. About 8 years ago my wife asked me what should she do with all my radios if I should die early. I had an insane number of radios including gorgeous heavy radios like my Collins Gold Dust Twins KWS-1 and 75A-4, Johnson Viking Desk KW, Johnson Invader 2000, Johnson Invader 200, multiple Ranger 1's and 2's, 5 National SW-3's, a bunch of Knightkit and Heath short waves, Drake 4B, Drake 2NT/2C and Drake shortwaves, Hallicrafters including SX-115, Morrow, Collins RE KWM-2A, 312B-5, extra Collins S-Line, extra Collins receivers, Hammarlund HX50's and several HQ-180's, and on and on.. Hoarding I guess. I'm embarrassed to tell you but I want you to know what I went through because I'm betting you have a crapload of stuff in your basement and a wife wondering the same thing as mine? hi hi hi hi. I said to call my good friend Tom, have him rent a truck, come up and pick up everything and sell it for

her. She said "why would you do that to your best friend?" That got me to thinking? Since then over the past 8 years I've sold off 82% of my stuff - yep I'm keeping a sell list. It was hard at first. Her words still ring in my ear. I still have too much left, and a current sell list of 32 items including radios and accessories, for this years radio sale. At that point I will have reached equilibrium for the next several years. It's likely that we will move when I retire in a few years so I might as well get rid of this stuff now rather than move it so it can clutter up a new basement. hi hi

So that is how I resolved the problem. I didn't want my wife or my best friend to deal with crapload of radios, t so I'm getting rid of as much as I can now while the going is good. I am keeping a wonderful collection of operational BA that is set up and running in the shack for daily use instead of sitting on the back room shelf and unused forever. Eventually there will be just a single BC-348 on the back room shelf that is unrestored, and in mint condition with the dynamotor awaiting my restoration . I might have to seek out a Collins ART-13 or an ARC 5 transmitter for that set up. hi hi While it was very hard at first (veeeeery hard) to sell radios, soon it felt wonderful to identify a radio and sell it off, clear the clutter and mess, get my money back for the family, and minimize the mess. Honest to goodness, I would sit in my shack, look around at all the radios on the wall shelves and get excited when I could identify another bunch of radios to sell. I know, it sound very bizarre :) It's like "anti-hoarding" hi hi

So what I'm saying is that for me I decided to lessen the impact on my wife, my best friend, and a potential retirement move, by unloading 82% of my crap now and eventually 90% by the end this year.

Since I'm talking about it, here is a list of items that I am planning on selling in this next round. Contact me if interested. I need to figure out prices. A super nice Collins 75A-2, National NC-300 that I found \$497 dollars hidden inside and it's keeping a 1968 \$1, \$5, \$10, and \$20 bill out of respect of the owner who hid it in there, a Johnson Ranger 1 in fabulous conditions other than the builders calls sign poorly but lightly engraved in the front panel under the tuning knob hi hi, sweet and rare Johnson Courier amplifier with a fresh Peter Dahl rewind power transformer and recapped, Tentec Argonaut 509, National HR05TA-1 recapped with matching serial number ham band plug in coils and wooden coil box , NC-101X with original silvered PW dial and recapped HV, a ratty on the outside but clean on the inside SW-5, Hallicrafters TO-Keyer new and unused as far as I know, Kenwood DFC-230 outboard VFO, Kenwood R-2000 Shortwave with fresh battery back up, Kenwood TS-830S that I bought new in 1982, gorgeous and clean early National Red Label speaker in great condition with original paint and finish, an original 1930's home-brew ham station consisting of a transmitter and receiver (Rationalized Autodyne) that was used as a pair back in the early 1930's, a early 1930's transmitter using an 860 that may be original or a reproduction, a home-brew DCS-500 receiver - rare with a ton of 50 Kc Miller IF transformers on it and some coils, I'm planning on Ebaying unless otherwise motivated :) a minty Millen 90711 VFO that was new in the box -OMG incredible condition and likely the nicest surviving 90711 in existence, a nice functional well built HBR-16 with a

boatload of coils, a superb HBR-17 with a boatload of coils and Eddystone dial (search internet for W0WB HBR-17) , an incredibly rare and gorgeous National SW-3 Model III that took me 25 years to find with the original ham band spread coils and coil boxes, original doghouse supply, - the last SW-3 model made with the octal sockets, front panel B+ and front panel headphone jack and matching doghouse supply (some serious dough invested here as you can imagine), a large collection of SW-3 and SW-5 coils, and finally my 1920's and 1930's logbook collection that includes a logbook from the late 20's documenting contacts with Art Collins 9CXX and Leo Meyerson 9GFQ. Oh my gosh it is so amazing looking at the Art Collins and Leo Meyerson contacts in that log. I haven't gleaned the rest of the logbook for any interesting calls from that era. I have a couple other radios for sale like a minty Gross CP-100 and CP-25 transmitter, National FB-7, and a boatload of 1920's and 30's parts and tubes. yikes!!

Gads we collect a lot of radios don't we? hi hi

73, Scott WA9WFA

From whitebear1122 at comcast.net Wed Apr 15 23:37:09 2015
From: whitebear1122 at comcast.net (Whitebear1122)
Date: Wed, 15 Apr 2015 22:37:09 -0500
Subject: [BoatAnchors] [Boatanchors] An object lesson
In-Reply-To: <124038.49f7e5ac.426084ee@aol.com>
References: <124038.49f7e5ac.426084ee@aol.com>
Message-ID: <A0D757CF-C325-4453-8280-CE93454FFDA8@comcast.net>

Hi John, No I'm not missing the boat. I agree completely with you. We all know of the ham vultures that descent on the family and offer pennies for that "old radio crap" that they turn around and sell for a fortune. That was part of my motivation for selling the bulk of my equipment, to spare the family with the pain of disposing of my stuff, and reducing the risk for the vulture SOB to rip me off. :) hi hi For the remaining equipment, I have placed labels on the equipment indicating what I think is it's fair value. My close radio friends know what I have left and the value of it. The Valiant and 75A-4, Heathkit DX60 station, and other piddly stuff are trivial. The rare Collins S-line and minty Drake 4C station from the mid 70's is worth a lot more and I want the family and best friend to know that it shouldn't sell for pennies.

Kudo's to you for helping out the widow and being honest with her. There is a special place in heaven for you if you don't mind my saying. I agree with your final statement too, don't burden your friends or family with this chore. Get rid of the bulk of the crap now and just keep the stuff that you love to use on a daily basis. Your estate will love you for it :) hi hi

Thanks, Scott WA9WFA

On Apr 15, 2015, at 10:22 PM, W4AWM at aol.com wrote:

> I think you guys are missing the boat.

>

> Making an inventory with makes, models, serial numbers, values, acquisition dates and other information is a great idea, especially if something happened prior to your demise and you need proof of ownership and value.

>

> We have in this area, and I am sure in dozens of others, creatures who I call "Vultures." They will knock on the SK's door, sometimes before the remains are buried, offering to buy the equipment. In many cases, they pay pennies on the dollar and make big bucks reselling. They will skim off the cream of the gear leaving the survivors with the not so good equipment, parts, etc., and a mess to clean up. These "Vultures" will never get my equipment unless they pay full price for it. I have given my survivors two options: Get \$XXX up front in cash or certified bank check before anything is removed from the premises. This insures that they will take everything to insure they cover their expenses. The second is to hire a certified Auctioneer like Richard Estes who specializes in selling radio estates. For an agreed upon price, he will pick up everything including tools, tubes, parts and equipment and sell it at auction for a fixed commission. Short of that, and this really hurts, they hire a roll off and a couple of guys armed with sledge hammers who will make sure no local "Vulture" gets hold of anything but smashed junk.

>

> I hate to do it that way, but I have handled a couple of estates where a "Vulture" took the best for pennies and left the survivors with what they thought was junk. In both cases, I made a huge amount of money for the estates simply because I was willing to do a little leg work. I had to go into the packing and shipping business in some cases but the satisfaction was worth the effort and I met some really nice collectors in the bargain. So that there was no hanky panky. I had buyers send payment for the item, packing and shipping directly to the estate and supplied them with receipts for packing material and shipping. They paid me back for those items.

>

> Don't burden your friends or family with this chore. Do some planning now, while you can. You can keep all your gear until the end if you care to, without having to worry about the inevitable.

>

> 73,

>

> John, W4AWM

>

>

>

>

From gumbear at pacbell.net Thu Apr 16 01:05:40 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 15 Apr 2015 22:05:40 -0700
Subject: [BoatAnchors] [Boatanchors] An object lesson
In-Reply-To: <97C20E2A-780B-4A47-967B-97BAA788D705@comcast.net>
References: <C8FFB7BC5D48064D8BF9AD0086503DF94E88275E@ITS-HCWNE107.ds.vanderbilt.edu>
<6BCDC40EFE3F428381C4F0DF939A879F@DaddyPC>
<002c01d076d3\$cab1eea0\$6015cbe0\$@sbcglobal.net>
<CAEz8jcQSE4c08p0QJ2ST09GYiXkeAkTsZbx6PnNtkhzD2FbFcA@mail.gmail.com>
<865446692.4400145.1429113196218.JavaMail.yahoo@mail.yahoo.com>
<97C20E2A-780B-4A47-967B-97BAA788D705@comcast.net>
Message-ID: <51E20A0AFC57450FB9AE76B76529FBB8@KB6NAX>

> This is a very Interesting topic because we all will be faced with selling
> our equipment and/our families will be faced with selling or dumping our
> stuff

My current "plan" is to move everything I'm not currently using to a storage locker. Out of sight, out of mind. When the bucket goes-a-clanking the job of disposal will be easy. Just call in an electronics reseller, i.e., the kind that makes his/her living selling stuff at flea markets. That solves three problems. The stuff goes into the garage or basement of the next generation collector. Starving kids get fed. The last month's storage locker rent gets paid. Hideously simple.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From spr at earthlink.net Thu Apr 16 11:43:46 2015
From: spr at earthlink.net (Scott Robinson)
Date: Thu, 16 Apr 2015 08:43:46 -0700
Subject: [BoatAnchors] [Boatanchors] An object lesson
In-Reply-To: <51E20A0AFC57450FB9AE76B76529FBB8@KB6NAX>
References: <C8FFB7BC5D48064D8BF9AD0086503DF94E88275E@ITS-HCWNE107.ds.vanderbilt.edu>
<6BCDC40EFE3F428381C4F0DF939A879F@DaddyPC>

<002c01d076d3\$cab1eea0\$6015cbe0\$@sbcglobal.net>
<CAEz8jcQSE4c08p0QJ2ST09GYiXkeAkTsZbx6PnNtkhzD2FbFcA@mail.gmail.com>
<865446692.4400145.1429113196218.JavaMail.yahoo@mail.yahoo.com>
<97C20E2A-780B-4A47-967B-97BAA788D705@comcast.net>
<51E20A0AFC57450FB9AE76B76529FBB8@KB6NAX>
Message-ID: <552FD8B2.2080201@earthlink.net>

Folks,

I am VP of the California Historical Radio Society. We own a building housing a *lot* of radios in Alameda, CA, near San Francisco. We have a substantial radio library and restoration shop...and a ham call, W6CF, formerly held by SK Jim Maxwell. As we move into the building, we are going to try to encourage ham activity from W6CF. See

<www.californiahistoricalradio.com>

for more information

CHRS offers a service to radio-burdened estates: we come and get it all, sell it, and give the family an accountable 50%. We hold a large radio auction every July, and estates unfortunately contribute substantially to our auction offerings.

This service has been popular, since the burden is completely off the family and our sale process is transparent so they can see that they are getting what they should.

It takes a lot of work to do all this, so I think we earn our 50%. For instance, last year, we had a lot of audio gear, and it sells better in working or at least known condition. I and others spent a lot of time testing and doing repairs.

A fellow named Gene Rippen, who lived near Sacramento CA, spent his retirement buying Western US ham estates for honest prices, selling most of it, and keeping a few pieces for his collection. He is now SK, but some of you will know him as the founder of the BAswaplist mail reflector, which is helpful at keeping commerce off this list, as Jack prefers.

Regards,

Scott Robinson

From k9fd at flex.com Thu Apr 16 12:54:49 2015
From: k9fd at flex.com (Merv Schweigert)

Date: Thu, 16 Apr 2015 06:54:49 -1000
Subject: [BoatAnchors] [Boatanchors] An object lesson
In-Reply-To: <51E20A0AFC57450FB9AE76B76529FBB8@KB6NAX>
References: <C8FFB7BC5D48064D8BF9AD0086503DF94E88275E@ITS-HCWNE107.ds.vanderbilt.edu>
<6BCDC40EFE3F428381C4F0DF939A879F@DaddyPC>
<002c01d076d3\$cab1eea0\$6015cbe0\$@sbcglobal.net>
<CAEz8jcQSE4c08p0QJ2ST09GYiXkeAkTsZbx6PnNtkhzD2FbFcA@mail.gmail.com>
<865446692.4400145.1429113196218.JavaMail.yahoo@mail.yahoo.com>
<97C20E2A-780B-4A47-967B-97BAA788D705@comcast.net>
<51E20A0AFC57450FB9AE76B76529FBB8@KB6NAX>
Message-ID: <552FE959.2060805@flex.com>

>> This is a very Interesting topic because we all will be faced with
>> selling our equipment and/our families will be faced with selling or
>> dumping our stuff

>

You can guarantee your family getting ripped off if you just allow a reseller in to dispose of your gear.

I had a very good friend in Chicago who was a collector, had buildings full of prime gear,

If there was one 75A4 there were 15 of them, with parts and more parts, etc etc. the rarest

of the rare gear. Most in restored condition and hundreds of parts radios, he passed from

cancer and the estate was given to a well known reseller to dispose of,

This was years ago and I have not seen much of what he had for sale as yet, I do see the resellers

"store" with tons of gear that matches the description, being sold for himself, the same story for

tons of parts. So who you may trust while you are alive turns into a much different person

when they get their hands on it. That sellers nickname " shark" is not in vain.

Fortunately the widow was not in need of the money perhaps, but tens of thousands of bucks

is not exactly chump change either when it goes into a crooks pocket.

Do it yourself or at least have a family trusted friend involved. Or have it squandered your choice.

73 Merv K9FD/KH6

From arc5 at ix.netcom.com Thu Apr 16 14:34:53 2015

From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 16 Apr 2015 13:34:53 -0500
Subject: [BoatAnchors] Updated: 80/40 Meters to Longwave Converter
Message-ID: <B4F7001C0617423CA73AC5DD0EF5B090@DaddyPC>

Several people have been asking me about the simple little converter I build so receivers like "ARC-5" Q-5ers, RAK etc. can be used to receive HF. I've improved the circuit to make it simpler, cheaper and, if you wish, band-switching for 80 and 40 meters. And you don't have to wind any coils.

I started with a simple little Vectronics VEC-101K "Shortwave Converter" and extensively modified it. No case yet. Here's a photo of it atop my sweet Mackey Marine longwave receiver, listening to K5KZQ and K5DOA in QSO on 7055 KC. KZQ has a nice "musical" note:
<http://home.netcom.com/~arc5/75toLFconverter/newconverter.jpg>

Here's the circuit:
<http://home.netcom.com/~arc5/75toLFconverter/newconverter0415jpg.jpg>
All parts are cheap from Digikey. The programmable oscillators are like \$4 for any freq you want. You can skip the switches etc. if you just want one band. Once you power it up, generate a known freq and adjust the trimmers for max sig level. Don't just use noise because it's easy to tune it up on image freqs.

As with any "simple" circuit, there are trade-offs. Images can be a problem, but I haven't been bothered by them much except one on 40 meters. I used a 6800 KC oscillator for 40 because that puts 7000 KC output at 200 KC for a "Q5er." But that puts a SWBC image at 7030 KC. You can either put a wave trap in front of the converter to reject the image or use a different Osc freq. to move it. I used a 3500 KC Osc I had on hand for 80, but that puts the Osc tone right at 3500 of course so you can't listen to signals below about 3503 KC, which I haven't found to be a bother anyway.

I'm probably going to put a "wave trap" (one trimmer cap, one coil) in front of the 40 Meter input to reject the images.

If I can answer any questions, drop me a line.

73 OM DE Dave AB5S

From mike at oldaudio.net Thu Apr 16 14:57:29 2015
From: mike at oldaudio.net (Mike Durff)
Date: Thu, 16 Apr 2015 18:57:29 +0000 (UTC)
Subject: [BoatAnchors] [Boatanchors] An object lesson
Message-ID: <273081380.4576588.1429210649360.JavaMail.yahoo@mail.yahoo.com>

This is no joke.?Chances are your family doesn't have a clue about your electronics stuff. I was in the commercial audio business for most of my adult life. When I "retired" and moved to the Arkansas Ozarks in 2003, my "business" occupied a 5800 sq ft space. I filled five 5 yard dumpster bins, gave the scrapper all he wanted just to haul off for the scrap value (mostly old motors, etc).I finally pared that down to a 25 X 18 room downstairs in my home a 400 sq ft storage unit, that I've been paying on for the past 12 years, and a bunch of plastic tubs under the house with misc items & old tubes.?I started selling this stuff on ebay in 2003, have sold over 1000 items and still can barely walk downstairs. I built a 20 X 32 hamshack out back in 2013 thinking I would empty out my storage. Since that time my wife has suffered 3 strokes, thankfully with no lasting effects and now has a pacemaker. Due to that, we are now facing a move to Portland, Maine, 1700 miles from our current location. I asked myself, how many more times must I move all this "stuff" ?I told my wife to "call Roscoe" who had a little music store, many years ago and give it to him. Well, since then, Roscoe has had a heart attack and closed the music store. Things change and sometime you may be faced with a sudden move. A good friend dropped dead at age 55 at work a few weeks ago. He left a restaurant and an extensive wine collection that no one knows what to do with.
My advice would be sell it now, or donate it, if you can find anyone who wants old stuff.?

Thanks, Mike, K4TQF?

From k7sz at live.com Fri Apr 17 05:35:56 2015
From: k7sz at live.com (Rich Arland)
Date: Fri, 17 Apr 2015 05:35:56 -0400
Subject: [BoatAnchors] Russian sub-miniature vacuum tubes
Message-ID: <BLU172-W210DB1045E2E3DB9D6FDB4F6E30@phx.gbl>

Several years ago there was a thread or two regarding the use of these tiny, pencil tube Russian vacuum tubes in ham gear. I have been Googling and have found some info but no real tech data and/or source of these tubes. I think these were 1V filament tubes. Anyone have any info on these tiny devices? Source?

tnx es 73
Rich Arland
K7SZ
WPE7BYR

Bent Dipole Ranch, Dacula, GA

From ark at ar88.net Fri Apr 17 11:01:22 2015
From: ark at ar88.net (Al Klase)
Date: Fri, 17 Apr 2015 11:01:22 -0400
Subject: [BoatAnchors] Russian sub-miniature vacuum tubes
In-Reply-To: <BLU172-W210DB1045E2E3DB9D6FDB4F6E30@phx.gbl>
References: <BLU172-W210DB1045E2E3DB9D6FDB4F6E30@phx.gbl>
Message-ID: <55312042.1010004@ar88.net>

Rich,

Check E-bay for "sub-miniature vacuum tube" and "Russian vacuum tube."
The world is polluted with US made sub-mini's. I have a collection that
I've been threatening to do something with for years.

Oh, you're reminding me that I need to work on my East German EKB receiver.

Regards,
Al

Al Klase ? N3FRQ
Jersey City, NJ
<http://www.skywaves.ar88.net/>

On 4/17/2015 5:35 AM, Rich Arland via BoatAnchors wrote:

> Several years ago there was a thread or two regarding the use of these tiny,
pencil tube Russian vacuum tubes in ham gear. I have been Googling and have found
some info but no real tech data and/or source of these tubes. I think these were
1V filament tubes. Anyone have any info on these tiny devices? Source?

>

> tnx es 73

> Rich Arland

> K7SZ

> WPE7BYR

> Bent Dipole Ranch, Dacula, GA

>

>

> -----
> BoatAnchors mailing list

> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>

From garygarlic at earthlink.net Fri Apr 17 14:06:22 2015
From: garygarlic at earthlink.net (Gary Woods)
Date: Fri, 17 Apr 2015 14:06:22 -0400

Subject: [BoatAnchors] Russian sub-miniature vacuum tubes
In-Reply-To: <55312042.1010004@ar88.net>
References: <BLU172-W210DB1045E2E3DB9D6FDB4F6E30@phx.gbl>
<55312042.1010004@ar88.net>
Message-ID: <r8i2jatu1qhkbaed4h82qc68ggbfmpcrpq@4ax.com>

On Fri, 17 Apr 2015 11:01:22 -0400, you wrote:

>Check E-bay for "sub-miniature vacuum tube" and "Russian vacuum tube."
>The world is polluted with US made sub-mini's.

I remember them as "peanut" tubes. The ARN-21 TACAN set used a number of them in plugin modules called "books." The rule was: whenever you think a peanut tube has failed, check everything around it before you unsolder all the leads to replace it.

--

Gary Woods AKA K2AHC- PGP key on request, or at home.earthlink.net/~garygarlic
Zone 5/4 in upstate New York, 1420' elevation. NY W0 G

From jmac6235 at yahoo.com Fri Apr 17 14:27:21 2015
From: jmac6235 at yahoo.com (J.D. MacAulay, WQ8U)
Date: Fri, 17 Apr 2015 18:27:21 +0000 (UTC)
Subject: [BoatAnchors] Classic Exchange CX
Message-ID: <1730852736.5355543.1429295241385.JavaMail.yahoo@mail.yahoo.com>

Remember those great old boat anchors you worked back in January and their unique signals??? This is a reminder that April 30, 2015 is the deadline for submission on logs, scores, soapbox and pictures to insure inclusion in the Classic Exchange Newsletter. E-mail inputs to wq8u at arrl.net. Full instructions are at www.classicexchange.org. Every effort will be made to include late submissions but there is no guarantee.

?73Mac
WQ8U
Hillsborough, NC

From gumbear at pacbell.net Fri Apr 17 16:44:39 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Fri, 17 Apr 2015 13:44:39 -0700
Subject: [BoatAnchors] Russian sub-miniature vacuum tubes
In-Reply-To: <r8i2jatu1qhkbaed4h82qc68ggbfmpcrpq@4ax.com>
References: <BLU172-W210DB1045E2E3DB9D6FDB4F6E30@phx.gbl>
<55312042.1010004@ar88.net> <r8i2jatu1qhkbaed4h82qc68ggbfmpcrpq@4ax.com>
Message-ID: <E08FD41B2C554868BEF592936FA9EBEB@KB6NAX>

> I remember them as "peanut" tubes. The ARN-21 TACAN set used a

> number of
them in plugin modules called "books." The rule was: whenever you think a
peanut tube has failed, check everything around it before you unsolder all
the leads to replace it.

And then along came transistors to the rescue - only three leads to
unsolder. My experience with military peanut tubes was the AN/ARC-52 UHF
transceiver. The peanut tubes didn't get replaced unless they were
completely worn out or the heater was burned out. So much for rules of "ten
thumbs."

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From vilgotch at bigpond.net.au Fri Apr 17 20:07:56 2015
From: vilgotch at bigpond.net.au (Morris Odell)
Date: Sat, 18 Apr 2015 10:07:56 +1000
Subject: [BoatAnchors] Russian sub-miniature vacuum tubes
In-Reply-To: <BLU172-W210DB1045E2E3DB9D6FDB4F6E30@phx.gbl>
References: <BLU172-W210DB1045E2E3DB9D6FDB4F6E30@phx.gbl>
Message-ID: <005b01d0796b\$b929a480\$2b7ced80\$@bigpond.net.au>

Hi all,

Rich Arland wrote:

> Several years ago there was a thread or two regarding the use of these
tiny, pencil tube Russian vacuum tubes in ham gear. I have been Googling and
have found some info but no real
> tech data and/or source of these tubes. I think these were 1V filament
tubes. Anyone have any info on these tiny devices? Source?

Some (? All) of the Russian subminis are not what we might be used to. They
do not have conventional construction with wire wound grids inside a plate,
but use an array of rods arranged around the cathode to do similar
functions. As a result their characteristics are rather different to
"conventional" tubes. I have a few here and did have some data but it may
not have survived a change of computer a few years ago - I'll keep looking.
A friend on the other side of this country who sent me a few of them may
still have some data so I'll try an email over there.

Mr Google can probably help too.

73, Morris VK3DOC

From mike at oldaudio.net Tue Apr 21 13:43:11 2015
From: mike at oldaudio.net (Mike Durff)
Date: Tue, 21 Apr 2015 17:43:11 +0000 (UTC)
Subject: [BoatAnchors] B & W coil ID ?
Message-ID: <194390867.1347797.1429638191255.JavaMail.yahoo@mail.yahoo.com>

Hello all: Do any of you have or can you direct me to an old cache of B&W coil info? I am trying to ID a large B&W, tapped, tank coil part # SM-D-2002-90. Thanks, Mike, K4TQFPS: Internet search didn't show much of anything...

From k0dan at comcast.net Tue Apr 21 14:44:11 2015
From: k0dan at comcast.net (K0DAN)
Date: Tue, 21 Apr 2015 13:44:11 -0500
Subject: [BoatAnchors] TEK SCOPE
In-Reply-To: <194390867.1347797.1429638191255.JavaMail.yahoo@mail.yahoo.com>
References: <194390867.1347797.1429638191255.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>

A TEK 465B scope is pretty old, right? And we would use them to fix boat anchors, right? Hope it qualifies for being a post on this reflector, my apologies if not.

So I have a 465B, on which the Trigger knob got smashed (long story involving a bozo). The Trigger knob is a pair of dual-concentric knobs, which use an Allen set screw to attach to the concentric shafts.

The outer knob is not damaged, but the inner one fractured. I tried repairing the pieces with Super Glue, but the set screw no longer threads (there is a milled aluminum knob inside the plastic outer knob).

Does anyone have a TEK 465B, 465, 460, etc. series, which is dead and being parted out? I have looked for TEK knobs on the auction sites, and while some knobs exist, not this particular one.

If you think you might have a candidate, I can send some photos to clarify my verbal description.

Any help would be appreciated!

Thanks and 73

,
Dan
K0DAN

From k4oah at mindspring.com Tue Apr 21 15:26:03 2015
From: k4oah at mindspring.com (Garey Barrell)
Date: Tue, 21 Apr 2015 15:26:03 -0400
Subject: [BoatAnchors] TEK SCOPE
In-Reply-To: <6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
References: <194390867.1347797.1429638191255.JavaMail.yahoo@mail.yahoo.com>
<6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
Message-ID: <C633D609-1D47-4CF6-A3DC-BFC99FE64E96@mindspring.com>

Dan -

Check the TekScopes group on Yahoo. About 8000 members, and I have had good luck sourcing parts. Typically for little or no cost.

73, Garey - K40AH
Rome, GA
Drake 2-B, 2-C/2-NT, 4-A, 4-B, C-Line
and TR-4/C Service Supplement Files
<www.k4oah.com>

On Apr 21, 2015, at 2:44 PM, K0DAN via BoatAnchors <boatanchors at theporch.com> wrote:

> A TEK 465B scope is pretty old, right? And we would use them to fix boat anchors, right? Hope it qualifies for being a post on this reflector, my apologies if not.

>

> So I have a 465B, on which the Trigger knob got smashed (long story involving a bozo). The Trigger knob is a pair of dual-concentric knobs, which use an Allen set screw to attach to the concentric shafts.

>

> The outer knob is not damaged, but the inner one fractured. I tried repairing the pieces with Super Glue, but the set screw no longer threads (there is a milled aluminum knob inside the plastic outer knob).

>

> Does anyone have a TEK 465B, 465, 460, etc. series, which is dead and being parted out? I have looked for TEK knobs on the auction sites, and while some knobs exist, not this particular one.

>

> If you think you might have a candidate, I can send some photos to clarify my verbal description.

>

> Any help would be appreciated!

>

> Thanks and 73

> '

> Dan

> K0DAN

>

From spr at earthlink.net Tue Apr 21 15:54:50 2015
From: spr at earthlink.net (Scott Robinson)
Date: Tue, 21 Apr 2015 12:54:50 -0700
Subject: [BoatAnchors] TEK SCOPE
In-Reply-To: <6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
References: <194390867.1347797.1429638191255.JavaMail.yahoo@mail.yahoo.com>
<6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
Message-ID: <5536AB0A.7020002@earthlink.net>

Try these people:

<<http://www.sphere.bc.ca/test/tek1.html>>

/scott

On 4/21/15 11:44 AM, K0DAN via BoatAnchors wrote:

> A TEK 465B scope is pretty old, right? And we would use them to fix boat
> anchors, right? Hope it qualifies for being a post on this reflector, my
> apologies if not.

>

> So I have a 465B, on which the Trigger knob got smashed (long story
> involving a bozo). The Trigger knob is a pair of dual-concentric knobs,
> which use an Allen set screw to attach to the concentric shafts.

>

> The outer knob is not damaged, but the inner one fractured. I tried
> repairing the pieces with Super Glue, but the set screw no longer
> threads (there is a milled aluminum knob inside the plastic outer knob).

>

> Does anyone have a TEK 465B, 465, 460, etc. series, which is dead and
> being parted out? I have looked for TEK knobs on the auction sites, and
> while some knobs exist, not this particular one.
>
> If you think you might have a candidate, I can send some photos to
> clarify my verbal description.
>
> Any help would be appreciated!
>
> Thanks and 73
> '
> Dan
> K0DAN
>
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From john.shriver at gmail.com Tue Apr 21 22:02:23 2015
From: john.shriver at gmail.com (John Shriver)
Date: Tue, 21 Apr 2015 22:02:23 -0400
Subject: [BoatAnchors] TEK SCOPE
In-Reply-To: <6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
References: <194390867.1347797.1429638191255.JavaMail.yahoo@mail.yahoo.com>
<6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
Message-ID: <5E9567B6-B013-4494-8138-A3C8F0A1FBAA@gmail.com>

Deane Kidd is the best bet for Tektronix parts. Contact info at http://www.reprise.com/host/scopes/scope_resources.asp

Had nothing but great experiences with him. He prefers to communicate by paper letters.

From gumbear at pacbell.net Tue Apr 21 22:22:50 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Tue, 21 Apr 2015 19:22:50 -0700
Subject: [BoatAnchors] TEK SCOPE
In-Reply-To: <6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
References: <194390867.1347797.1429638191255.JavaMail.yahoo@mail.yahoo.com>
<6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>
Message-ID: <CEF93811E4C44FE2A9FC7BCE7BA7EE7D@KB6NAX>

> Does anyone have a TEK 465B, 465, 460, etc. series, which is dead
> and being
parted out? I have looked for TEK knobs on the auction sites, and while some

knobs exist, not this particular one.

The 465B is probably the most popular of all Tek scopes that get a new life. For that reason the parts are regularly vacuumed from all the usual sources. I'd vote for trying the Yahoo Tekscopes group.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From jerry7proc at yahoo.com Wed Apr 22 13:44:44 2015
From: jerry7proc at yahoo.com (Jerry Proc)
Date: Wed, 22 Apr 2015 17:44:44 +0000 (UTC)
Subject: [BoatAnchors] Is This The Beginning of a Trend?
Message-ID: <1271129589.2184380.1429724684959.JavaMail.yahoo@mail.yahoo.com>

Norwayto Become First Country to Switch Off FM Radio in 2017<http://www.hollywoodreporter.com/news/norway-first-country-end-fm-790131>

??--

Regards,
Jerry Proc
E-mail: jerry7proc at yahoo.com

From gumbear at pacbell.net Wed Apr 22 14:45:12 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 22 Apr 2015 11:45:12 -0700
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <1271129589.2184380.1429724684959.JavaMail.yahoo@mail.yahoo.com>
References: <1271129589.2184380.1429724684959.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <E21C26FB1DC842E6A654259FC77DE5DB@KB6NAX>

> Norwayto Become First Country to Switch Off FM Radio in
> 2017<http://www.hollywoodreporter.com/news/norway-first-country-end-fm-790131>

Having several FM receiver setups about the house I bought and assembled a Ramsey FM25B FM stereo transmitter. I can receive it a mile away in my car radio so its little whip antenna is entirely adequate for house and yard. I feed it mostly internet streaming so I can listen to the world everywhere about via FM. The little transmitter does a decent job of stereo audio quality. I think I'll buy another FM25B as a backup. I might outlive

analog FM broadcasting in the US if I reach 150 years of age (disclaimer: I have no pecuniary interest in Ramsey, its associates, agents, consignees, ...blah, blah..).

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From richardlo at admin.athabascau.ca Wed Apr 22 16:55:45 2015
From: richardlo at admin.athabascau.ca (Richard Loken)
Date: Wed, 22 Apr 2015 14:55:45 -0600 (MDT)
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <1271129589.2184380.1429724684959.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <Pine.PMDF.4.44L.1504221442050.1092-1000000@admin.athabascau.ca>

On Wed, 22 Apr 2015, Jerry Proc via BoatAnchors wrote:

> Norway to Become First Country to Switch Off FM Radio in
> 2017 <http://www.hollywoodreporter.com/news/norway-first-country-end-fm-790131>

FM radio is the least of my problems.

I live 150km North of Edmonton so I don't get to hear a lot of FM radio and in the past two or three years Radio-Canada has turned off its 680kHz transmitter and CKUA has shut off its 580kHz transmitter. Who is next?

Radio Canada said it was being encroached on by the city of Edmonton and could not afford to relocate its site. CKUA claimed that modified safety regulations - including, if you please, making open wire feeders to the antenna illegal - had the Dept of Communication pressuring them to upgrade the site at unaffordable cost. So they say.

Meanwhile, the arrival of digital TV inspired the CBC to shut off the local CBC TV VHF translator leaving me with the CFRN translator which they have not yet shown an inclination to turn off.

As for FM, the local crappy rock station set up an FM transmitter and turned off its AM station, I don't listen to them so I don't care but AM seems to be going out of style.

--

Richard Loken VE6BSV, Unix System Administrator : "Anybody can be a father
Athabasca University : but you have to earn
Athabasca, Alberta Canada : the title of 'daddy'"
** richardlo at admin.athabascau.ca ** : - Lynn Johnston

From johnmb at nc.rr.com Wed Apr 22 19:15:28 2015
From: johnmb at nc.rr.com (john)
Date: Wed, 22 Apr 2015 19:15:28 -0400
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <Pine.PMDF.4.44L.1504221442050.1092-1000000@admin.athabascau.ca>
References: <1271129589.2184380.1429724684959.JavaMail.yahoo@mail.yahoo.com>
<Pine.PMDF.4.44L.1504221442050.1092-1000000@admin.athabascau.ca>
Message-ID: <6.2.1.2.2.20150422191349.033b9cd0@pop-server.nc.rr.com>

Turn it over to license-free broadcasting once the band is empty (which I suspect will not happen) and see what interesting non-commercial stuff pops up.

Probably wouldn't cost a cent to develop some interesting stuff (see: Internet)

John K5MO

This email is free from viruses and malware because avast! Antivirus protection is active.

<http://www.avast.com>

From gumbear at pacbell.net Wed Apr 22 22:08:35 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Wed, 22 Apr 2015 19:08:35 -0700
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <Pine.PMDF.4.44L.1504221442050.1092-1000000@admin.athabascau.ca>
References: <Pine.PMDF.4.44L.1504221442050.1092-1000000@admin.athabascau.ca>
Message-ID: <88F0B4589E104C6C80C0C867BAE41627@KB6NAX>

> FM radio is the least of my problems.

Over the air broadcasting of any type is doomed by the internet. Stations have sunk so low in what they provide now it's obvious conventional broadcasting is in the hospice. I guess them Norwegian bachelor farmers know what to do in the winter months.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From ajaminas.rn at gmail.com Thu Apr 23 00:45:31 2015
From: ajaminas.rn at gmail.com (Katz Ajaminas)
Date: Thu, 23 Apr 2015 00:45:31 -0400
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <1271129589.2184380.1429724684959.JavaMail.yahoo@mail.yahoo.com>
References: <1271129589.2184380.1429724684959.JavaMail.yahoo@mail.yahoo.com>
Message-ID: <CA+kZa5r0ArmXB01TKtfC2xT1p5iLEGx6nJQveXVs061aBzJRCg@mail.gmail.com>

It's still radio. In the USA it's a hybrid system on AM and FM. Shortwave
too. The AM with digital stations stand out when viewed with a band scope
(pan-adapter).

As for content ,WMLB AM in Atlanta is doing very well with a widely diverse
format. You might hear a bit of a stage play followed by a bird call some
country music, a bit of classic radio comedy, some classical, hiphop,
psychedelic, ... It's my go to radio station.

73, Bob ah7i/w4

On Wed, Apr 22, 2015 at 1:44 PM, Jerry Proc via BoatAnchors <
boatanchors at theporch.com> wrote:

> Norwayto Become First Country to Switch Off FM Radio in 2017
> <http://www.hollywoodreporter.com/news/norway-first-country-end-fm-790131>
>
> --
> Regards,
> Jerry Proc
> E-mail: jerry7proc at yahoo.com
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From mike_25-z at aafradio.org Thu Apr 23 08:18:21 2015

From: mike_25-z at aafradio.org (aafradio)
Date: Thu, 23 Apr 2015 08:18:21 -0400
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <88F0B4589E104C6C80C0C867BAE41627@KB6NAX>
References: <Pine.PMDF.4.44L.1504221442050.1092-100000@admin.athabascau.ca>
<88F0B4589E104C6C80C0C867BAE41627@KB6NAX>
Message-ID: <5538E30D.2010403@aafradio.org>

On 4/22/2015 10:08 PM, Arden Allen via BoatAnchors wrote:

>> FM radio is the least of my problems.
> Over the air broadcasting of any type is doomed by the internet.
> Stations have sunk so low in what they provide now it's obvious
> conventional broadcasting is in the hospice. I guess them Norwegian
> bachelor farmers know what to do in the winter months.
> Arden Allen

I hear that a lot, but it ain't an option for millions across the country. Those who have unlimited internet are fortunate, but the fact is that the industry is going the opposite way except where cable is available (it *isn't* in most of rural USA). When I had cable, I did a lot of streaming, but no more. At \$10 a gigabyte for cell tower internet, streaming all day for background music isn't economically viable anymore.

- Mike KC4TOS

From arc5 at ix.netcom.com Thu Apr 23 08:56:20 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 23 Apr 2015 07:56:20 -0500
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <5538E30D.2010403@aafradio.org>
References: <Pine.PMDF.4.44L.1504221442050.1092-100000@admin.athabascau.ca>
<88F0B4589E104C6C80C0C867BAE41627@KB6NAX> <5538E30D.2010403@aafradio.org>
Message-ID: <9E08025D1B324B9E9EE57FD4FB89CFC6@DaddyPC>

We of the "first world" sometimes forget that perspectives and tools are not those of the majority of humanity. I think radio broadcasting in some form is going to be needed for some time to come.

God forgive me, but I almost wish for some type of world-wide EMP that would burn-down the "electronic village" and force us to use our brains, skills and courage once again.

Humanity needs a good laxitive because it's "full of....."
We sent people to the Moon with an internet.

I almost wish that.... almost.
73 Dave S.

From arc5 at ix.netcom.com Thu Apr 23 09:26:41 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 23 Apr 2015 08:26:41 -0500
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <9E08025D1B324B9E9EE57FD4FB89CFC6@DaddyPC>
References: <Pine.PMDF.4.44L.1504221442050.1092-100000@admin.athabascau.ca>
<88F0B4589E104C6C80C0C867BAE41627@KB6NAX> <5538E30D.2010403@aafradio.org>
<9E08025D1B324B9E9EE57FD4FB89CFC6@DaddyPC>
Message-ID: <8226889F53A5442FA85460F91625B5DC@DaddyPC>

----- Original Message -----
> We sent people to the Moon with an internet.

I meant "without" of course.
Distracted writing.

From arc5 at ix.netcom.com Thu Apr 23 09:54:43 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Thu, 23 Apr 2015 08:54:43 -0500
Subject: [BoatAnchors] Estates and Interesting, 4-23
Message-ID: <6F5DD4BE9A334ED091607B7487CC2952@DaddyPC>

Haven't been able to do this for a few days. Probably
missed some good ones but there are always more
deals so.....
Not mine, FYI, etc. etc.

TODAY and Tomorrow, West Chicago Estate.
<http://chicago.craigslist.org/wcl/gms/4987315663.html>

NOW in Niles, MI.
Vague but who knows?
<http://southbend.craigslist.org/gms/4990298568.html>

Ocala, FL
Buncha Drakes for little money
<http://ocala.craigslist.org/ele/4987299631.html>

Riggs. and ValVista, AZ
Another vague ad with "stuff" and a tower

<http://phoenix.craigslist.org/evl/gms/4991549040.html>

Billings, MT

Vague again. "Ham" receivers

<http://billings.craigslist.org/gms/4990727726.html>

Williamsburg, VA

Hallicrafters S-108

<http://norfolk.craigslist.org/ele/4991943424.html>

Glen Head, NY

Hallicrafters SX-62

<http://norfolk.craigslist.org/ele/4991943424.html>

Fair Oaks, CA

LONG list of goodies.

<http://sacramento.craigslist.org/sys/4991910342.html>

San Leandro, CA

Couple of interesting keys.

<http://sfbay.craigslist.org/eby/ele/4991710059.html>

Santa Cruz, CA

Drake SW-4

<http://sfbay.craigslist.org/scz/ele/4989900935.html>

From richardlo at admin.athabascau.ca Thu Apr 23 15:46:25 2015

From: richardlo at admin.athabascau.ca (Richard Loken)

Date: Thu, 23 Apr 2015 13:46:25 -0600 (MDT)

Subject: [BoatAnchors] Is This The Beginning of a Trend?

In-Reply-To: <88F0B4589E104C6C80C0C867BAE41627@KB6NAX>

Message-ID: <Pine.PMDF.4.44L.1504231342330.1092-100000@admin.athabascau.ca>

On Wed, 22 Apr 2015, Arden Allen wrote:

> Over the air broadcasting of any type is doomed by the internet. Stations
> have sunk so low in what they provide now it's obvious conventional
> broadcasting is in the hospice. I guess them Norwegian bachelor farmers
> know what to do in the winter months.

Well this Norwegian non-bachelor non-farmer goes for 10 hour drives to his mother's house in the middle of winter and it is nice to listen to the CBC from CBK on 540kHz for news and political opinion, I find that keeps me awake more effectively than music.

Satellite? I don't need no stinkin' satellite! Yet...

--

Richard Loken VE6BSV, Unix System Administrator : "Anybody can be a father
Athabasca University : but you have to earn
Athabasca, Alberta Canada : the title of 'daddy'"
** richardlo at admin.athabascau.ca ** : - Lynn Johnston

From 1oldlens1 at ix.netcom.com Thu Apr 23 17:06:04 2015
From: 1oldlens1 at ix.netcom.com (Richard Knoppow)
Date: Thu, 23 Apr 2015 14:06:04 -0700
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <Pine.PMDF.4.44L.1504231342330.1092-1000000@admin.athabascau.ca>
References: <Pine.PMDF.4.44L.1504231342330.1092-1000000@admin.athabascau.ca>
Message-ID: <55395EBC.1050009@ix.netcom.com>

I have recently retired after some thirty years in the broadcasting business. I've given this a lot of thought. I can see the point but I don't think over the air broadcasting of, at least, radio will vanish. For one thing, digital broadcasting is still over the air broadcasting. Streaming is in a sense broadcasting but its possible to use portable devices to receive streamed audio and video, for instance those awful little i-pad, smart phone, things one sees children fascinated by while they are walking in traffic. Well, its a matter of shifting the technology of transmission and reception but the principle is still the same. There are some advantages to this but also some disadvantages, namely that conventional broadcasting, AM in particular, uses relatively simple devices for reception. Certainly, in an emergency this is is a great advantage but most of the time we are not in an emergency. One can argue about quality but both digital and FM fall apart if the signal falls below a rather sharp threshold of strength or quality. AM can be pretty bad but is still usable. I think the biggest advantage of streaming is the nearly unlimited number of channels possible. That is attractive to those who see profits to be made, even if somewhat unrealistically. The "content" and channels available the more the audience is diluted. I mean that there are only a certain number of people who listen to the radio or watch television at any time. New technology does not really expand this audience. Look at what happened to every other kind of media when television was commercialized and when the Internet made streaming media possible: most media suffered. Print news media has nearly died; people get their news via the internet. Drama and music have long since disappeared from radio and I think TV is having some problems too. In the US we pay for broadcasting via advertising: that requires an audience. The smaller the audience the less revenue there is to be made and the less money there is to spend on programming (content). This is a vicious cycle

since as the quality of programming is reduced so is the audience. I don't have a cure for this but certainly new technology is not going to make any real difference.

On 4/23/2015 12:46 PM, Richard Loken via BoatAnchors wrote:

> On Wed, 22 Apr 2015, Arden Allen wrote:

>

>> Over the air broadcasting of any type is doomed by the internet. Stations
>> have sunk so low in what they provide now it's obvious conventional
>> broadcasting is in the hospice. I guess them Norwegian bachelor farmers
>> know what to do in the winter months.

> Well this Norwegian non-bachelor non-farmer goes for 10 hour drives to his
> mother's house in the middle of winter and it is nice to listen to the CBC
> from CBK on 540kHz for news and political opinion, I find that keeps me
> awake more effectively than music.

>

> Satelllite? I don't need no stinkin' satelllite! Yet...

>

--

Richard Knoppow

1oldlens1 at ix.netcom.com

WB6KBL

From franklin6209 at att.net Thu Apr 23 17:51:41 2015

From: franklin6209 at att.net (Gary Franklin)

Date: Thu, 23 Apr 2015 17:51:41 -0400

Subject: [BoatAnchors] Calibrating an HQ-160 Receiver

Message-ID: <5539696D.5090507@att.net>

I have been working to set the dial calibration for each band. This receiver has 6 bands: .54-1.32, 1.32-3.2, 3.2-5.7, 5.7-10, 10-18, 18-31. During the process it has developed a hetrodyne that appears of every station (AM mode) on every band.... see a short video I made of the condition at:

<https://youtu.be/U5HeFjtpLDM> Any suggestions as to what the problem might be?

Thanks,

Gary, K8BKB

From johnmb at nc.rr.com Thu Apr 23 18:12:29 2015

From: johnmb at nc.rr.com (john)

Date: Thu, 23 Apr 2015 18:12:29 -0400
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <55395EBC.1050009@ix.netcom.com>
References: <Pine.PMDF.4.44L.1504231342330.1092-100000@admin.athabascau.ca>
<55395EBC.1050009@ix.netcom.com>
Message-ID: <6.2.1.2.2.20150423181123.03443bd0@pop-server.nc.rr.com>

On the plus side....

....there are some pretty awesome podcasts to feed any interest or preference that are available to anyone with "a device" .

John K5MO

This email is free from viruses and malware because avast! Antivirus protection is active.
<http://www.avast.com>

From anchor at ec.rr.com Thu Apr 23 19:47:05 2015
From: anchor at ec.rr.com (Al Parker)
Date: Thu, 23 Apr 2015 19:47:05 -0400
Subject: [BoatAnchors] Calibrating an HQ-160 Receiver
In-Reply-To: <5539696D.5090507@att.net>
References: <5539696D.5090507@att.net>
Message-ID: <55398479.4040907@ec.rr.com>

Hi Gary,

I couldn't make much out of your video, or your description of a "hetrodyne" on every stn. But it did sound kinda muddy, maybe you oughta check any cathode bypass caps in the audio stages, and probably the filter caps.

73,

Al, W8UT
www.boatanchors.org
www.hammarlund.info

"There is nothing -- absolutely nothing -- half so much worth doing as simply messing about in boats"
Ratty, to Mole

On 4/23/2015 5:51 PM, Gary Franklin via BoatAnchors wrote:

> I have been working to set the dial calibration for each band. This
> receiver has 6 bands: .54-1.32, 1.32-3.2, 3.2-5.7, 5.7-10, 10-18,
> 18-31. During the process it has developed a heterodyne that appears of
> every station (AM mode) on every band.... see a short video I made of
> the condition at:
> <https://youtu.be/U5HeFjtpLDM> Any suggestions as to what the problem
> might be?
>
> Thanks,
>
> Gary, K8BKB
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com
> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From spr at earthlink.net Thu Apr 23 19:52:12 2015
From: spr at earthlink.net (Scott Robinson)
Date: Thu, 23 Apr 2015 16:52:12 -0700
Subject: [BoatAnchors] Calibrating an HQ-160 Receiver
In-Reply-To: <5539696D.5090507@att.net>
References: <5539696D.5090507@att.net>
Message-ID: <553985AC.1010003@earthlink.net>

I'd suspect either an oscillating IF stage or that the BFO is somehow
not getting shut off.

/scott

On 4/23/15 2:51 PM, Gary Franklin via BoatAnchors wrote:
> I have been working to set the dial calibration for each band. This
> receiver has 6 bands: .54-1.32, 1.32-3.2, 3.2-5.7, 5.7-10, 10-18,
> 18-31. During the process it has developed a heterodyne that appears of
> every station (AM mode) on every band.... see a short video I made of
> the condition at:
> <https://youtu.be/U5HeFjtpLDM> Any suggestions as to what the problem
> might be?
>
> Thanks,
>
> Gary, K8BKB
>
> -----
> BoatAnchors mailing list
> BoatAnchors at theporch.com

> <https://minime.theporch.com/mailman/listinfo/boatanchors>
>

From gumbear at pacbell.net Thu Apr 23 21:56:54 2015
From: gumbear at pacbell.net (Arden Allen)
Date: Thu, 23 Apr 2015 18:56:54 -0700
Subject: [BoatAnchors] Calibrating an HQ-160 Receiver
In-Reply-To: <553985AC.1010003@earthlink.net>
References: <5539696D.5090507@att.net> <553985AC.1010003@earthlink.net>
Message-ID: <7EC82119CF8D408DA4B47E29CBAF4DAD@KB6NAX>

Scott sez:

> I'd suspect either an oscillating IF stage or that the BFO is some[how]
not getting shut off.

I agree. It could also be RF radiating from a poorly RFI shielded computer gizmo.

Arden Allen
KB6NAX

He who is cruel to animals becomes
hard also in his dealings with men.
We can judge the heart of a man by
his treatment of animals.
?Immanuel Kant

From wb3fau55 at neo.rr.com Fri Apr 24 04:55:58 2015
From: wb3fau55 at neo.rr.com (wb3fau55 at neo.rr.com)
Date: Fri, 24 Apr 2015 4:55:58 -0400
Subject: [BoatAnchors] RF alignment HQ-160
Message-ID: <20150424085559.ACC76.135204.root@cdptpa-web04>

Perhaps a simple problem? Gain has to be kept as low as possible from the RF generator, as you can get spurious output from the gen if set too high? But a better guess is bad components. A good test is how well is this working? Good sensitivity and selectivity, just poor RF tracking? 73s Russ.

From wa1kbq at aol.com Fri Apr 24 06:22:46 2015
From: wa1kbq at aol.com (Greg Gore)
Date: Fri, 24 Apr 2015 06:22:46 -0400
Subject: [BoatAnchors] TEK SCOPE
In-Reply-To: <6970608342474D23B8DC8AFE015FF2EC@K0DANHamshack>

Message-ID: <14ceaf3759c-981-1357a@webprd-a79.mail.aol.com>

Dan,

I've had some success finding NOS Tek parts searching the Internet with part numbers. Occasionally you'll also see Tek parts get listed on the "bay."

Regards, Greg
WA1KBQ

-----Original Message-----

From: K0DAN via BoatAnchors <boatanchors at theporch.com>
To: boatanchors <boatanchors at theporch.com>
Sent: Tue, Apr 21, 2015 2:45 pm
Subject: [BoatAnchors] TEK SCOPE

A TEK 465B scope is pretty old, right? And we would use them to fix boat anchors, right? Hope it qualifies for being a post on this reflector, my apologies if not.

So I have a 465B, on which the Trigger knob got smashed (long story involving a bozo). The Trigger knob is a pair of dual-concentric knobs, which use an Allen set screw to attach to the concentric shafts.

The outer knob is not damaged, but the inner one fractured. I tried repairing the pieces with Super Glue, but the set screw no longer threads (there is a milled aluminum knob inside the plastic outer knob).

Does anyone have a TEK 465B, 465, 460, etc. series, which is dead and being parted out? I have looked for TEK knobs on the auction sites, and while some knobs exist, not this particular one.

If you think you might have a candidate, I can send some

photos to clarify
my verbal description.

Any help would be
appreciated!

Thanks and
73
,

Dan
K0DAN

BoatAnchors
mailing
list
BoatAnchors at theporch.com
<https://minime.theporch.com/mailman/listinfo/boatanchors>

From ddillman at igc.org Fri Apr 24 13:46:29 2015
From: ddillman at igc.org (Richard Dillman)
Date: Fri, 24 Apr 2015 10:46:29 -0700 (GMT-07:00)
Subject: [BoatAnchors] KSM and K6KPH OTA for Marconi Day
Message-ID: <2981035.1429897589428.JavaMail.root@elwamui-rustique.atl.sa.earthlink.net>

Maritime Radio Historical Society stations KSM and K6KPH will be on the air for
International Marconi Day 2015.

The event will run from 0000Z to 2359Z on 25 April.

Our operators will be at the station beginning on the late afternoon/evening of
Friday 24 April Pacific time to activate both station. Mr. Bill Ruck of the
Maintenance Department will provide a radioman's dinner. We'll continue until we
run out of steam, then return on Saturday morning pacific time to continue
operations.

K6KPH will be active on:

7050
14050
18097.5
21050

3550 will be unavailable due to a downed antenna.

KSM will be active on:

4350.5
6474.0
8438.3
12993.0
16914.0
22445.8

MF will be unavailable due to a downed antenna.

Please give us a call. Or stop by for a visit! The receive site is located at 17400 Sir Francis Drake Blvd in the Point Reyes National Seashore (<http://goo.gl/maps/fXzNs>).

If you need directions or want to arrange the schedule the station phone is +1 415-669-9646.

For more information on International Marconi Day see:

<http://g4usb.net/IMD/imd-2015/>

VY 73,

RD

=====
Richard Dillman, T2-GB-061170
Chief Operator, Coast Station KSM
Maritime Radio Historical Society
<http://www.radiomarine.org>
=====

From arc5 at ix.netcom.com Fri Apr 24 22:04:25 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 24 Apr 2015 21:04:25 -0500
Subject: [BoatAnchors] Estates and Interesting, 4-24
Message-ID: <7B84A599021A424CB43FFBB0CEE39DC4@DaddyPC>

As always: not mine, I dunno them, FYI etc.

Harrisonville, MO
Another vague ad, so who knows.
<http://kansascity.craigslist.org/gms/4994851819.html>

Madison, WI
Nice looking Hammerlund RBG-2
<http://madison.craigslist.org/ele/4994737575.html>

* St. Peter, Minn.
* BIG Ship transmitters, lots of other goodies.
* Going to the dump soon if not grabbed.
* <http://minneapolis.craigslist.org/csw/ele/4993749707.html>

Jacksonville Beach, FL.
Nice Drake collection, Stupid price.
This just barely made it under my
"no clueless pricing sellers" red line
<http://jacksonville.craigslist.org/ele/4994706911.html>

Princeton, NJ
Hallicrafters S-53A
<http://cnj.craigslist.org/ele/4994845077.html>

Goshen CT
Heathkit, Halli, most hidden in the photos.
Look close.
<http://nwct.craigslist.org/gms/4993549815.html>

SF East Bay Area.
National NC-400. Weird looking radio.
<http://sfbay.craigslist.org/eby/ele/4994895814.html>

From arc5 at ix.netcom.com Fri Apr 24 22:12:21 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Fri, 24 Apr 2015 21:12:21 -0500
Subject: [BoatAnchors] NICE Halli SX-28 in Maine
Message-ID: <77F06DCEC75B4BF88A540DD8A290ABF3@DaddyPC>

Old Orcahrd Beach, Maine
Hallicrafters SX-28.
Looks nice.
<http://maine.craigslist.org/ele/4992647985.html>

From arc5 at ix.netcom.com Sat Apr 25 22:02:34 2015
From: arc5 at ix.netcom.com (David Stinson)
Date: Sat, 25 Apr 2015 21:02:34 -0500
Subject: [BoatAnchors] Hammarlund \$25
Message-ID: <A4EE50041B56465A809BBF5BB116E5BF@DaddyPC>

Which one of you Hammarlund guys
can get to Bakersfield, CA fastest?

<http://bakersfield.craigslist.org/ele/4996407611.html>

From dave at horsfall.org Sun Apr 26 12:39:25 2015
From: dave at horsfall.org (Dave Horsfall)
Date: Mon, 27 Apr 2015 02:39:25 +1000 (EST)
Subject: [BoatAnchors] Is This The Beginning of a Trend?
In-Reply-To: <Pine.PMDF.4.44L.1504221442050.1092-100000@admin.athabascau.ca>
References: <Pine.PMDF.4.44L.1504221442050.1092-100000@admin.athabascau.ca>
Message-ID: <alpine.BSF.2.11.1504270218430.55734@aneurin.horsfall.org>

On Wed, 22 Apr 2015, Richard Loken via BoatAnchors wrote:

> Radio Canada said it was being encroached on by the city of Edmonton and
> could not afford to relocate its site. CKUA claimed that modified
> safety regulations - including, if you please, making open wire feeders
> to the antenna illegal - had the Dept of Communication pressuring them
> to upgrade the site at unaffordable cost. So they say.

Possibly now OT (and I've been away for a few days, commemorating the
100th Anniversary of ANZAC Day), but this sort of behaviour is quite
common now.

For example, the good citizens of Heathcote (a southern Sydney suburb)
wake up each morning to discover a (low-level) nuclear reactor just over
their fences, and object to it; I hope that they never need medical
radio-isotopes.

The irony is that our next nearest source to Lucas Heights is Japan, and
pilots are a little bit antsy about carrying the isotopes (and medical
isotopes have a very short half-life).

--

Dave Horsfall DTM (VK2KFU) "Those who don't understand security will suffer."
<http://www.horsfall.org/spam.html> (and check the home page whilst you're there)

From franklin6209 at att.net Sun Apr 26 14:12:00 2015
From: franklin6209 at att.net (Gary Franklin)
Date: Sun, 26 Apr 2015 14:12:00 -0400
Subject: [BoatAnchors] Lettine Transmitter
Message-ID: <553D2A70.80605@att.net>

I have a Lettine 240 transmitter. Would like to get it on the air in the

40 meter band. It uses plug in coils (2 ea). What coils will I need to purchase??

Gary K8BKB

From dean.gagnon at juno.com Tue Apr 28 15:18:18 2015
From: dean.gagnon at juno.com (dean.gagnon at juno.com)
Date: Tue, 28 Apr 2015 19:18:18 GMT
Subject: [BoatAnchors] Item for sale
Message-ID: <20150428.151818.7970.0@webmail08.vgs.unttd.com>

Just about to put my Hammerlund XC-100 Crystal Calibrator on Ebay. Any interest ?
KK1K via QRZ

Old School Yearbook Pics

View Class Yearbooks Online Free. Search by School & Year. Look Now!
<http://thirdpartyoffers.juno.com/TGL3131/553fdd43f1eda5d43678bst04vuc>

From knjhanlon at msn.com Tue Apr 28 17:51:18 2015
From: knjhanlon at msn.com (JAMES HANLON)
Date: Tue, 28 Apr 2015 15:51:18 -0600
Subject: [BoatAnchors] [Boatanchors] Lettine Transmitter
Message-ID: <BLU184-W36BD8E59FD0EE045EC341AA0E80@phx.gbl>

Gary , The Lettine 240 uses B&W coils, ideally the 25 watt "Baby" coil for the oscillator and the 75 watt "Junior" coil with an end link for the amplifier. Coils by Bud or by Coto-Coil could also be used. You can also just wind your own coils on any five-pin coil forms if you can't find the B&W coils. That's what I wound up doing for my 80-meter oscillator coil. My current Lettine 240 and also the one that my brother had way back in the 50s both had a decided tendency for the final amplifier to take off as a tuned-grid/tuned-plate oscillator in a parasitic oscillation near the operating frequency. That can be most easily cured or at least lessened to a manageable degree by link-neutralizing the final. I can best illustrate how to do that by sending you pictures of my 80 meter coil set which I just happen to have on file. Basically it just consists of winding a fixed link with one turn around the oscillator coil, and coupling it via a twisted pair line to another one-turn link fastened to the amplifier coil but whose position can be adjusted to neutralize the amplifier. You need to orient the link in the amplifier coil so that it cancels the RF feedthrough from the oscillator rather than reinforcing it - a half twist of the adjustable link will do that if necessary. You adjust the neutralization by removing the plate and screen voltage from the 807, connecting an RF indicator to the plate tank link (I use an oscilloscope, but a sensitive flashlight or panel light bulb would do, or even connecting the link via a shielded cable to a receiver with an S-meter tuned to the operating frequency). Apply drive to the amplifier, tune the oscillator plate and amplifier plate condensers for maximum indication on the RF indicator, and

then adjust the position of the variable link on the amplifier coil to minimize (ideally to completely cancel) the resultant RF feedthrough. That should take care of the tendency to oscillate, but you might need to tweak the position of the amplifier link a little more once you restore the voltage to the 807 screen and plate to achieve a non-oscillating setting. Once you have found a satisfactory adjustment, freeze both of the links in place by a liberal application of Duco cement. By the way, I find than an 807W (5933) fits into the Lettine's available space a bit more easily than the standard 807 and is also marginally more stable. You can see my 807W in those pictures of my rig. Antique Electronic Supply, www.tubesandmore.com , has them for \$19.60 as well as Chinese-made 807s for \$17.50 and what appears to be US-made, probably WW2 surplus, 807s for \$22.45. The 807W is a direct replacement for the 807, same ratings only about the size and shape of a 6146. Have fun with your Lettine. Let me know if you want pictures of my 40-meter coil set, and let me know when you get your rig on the air and we can schedule a Lettine two-way QSO. I'll bet that hasn't been done in a very long time! 73, Jim Hanlon, W8KGI, Sandia Park, NM

From jp at cs.unc.edu Wed Apr 29 16:50:34 2015
From: jp at cs.unc.edu (John Poulton)
Date: Wed, 29 Apr 2015 16:50:34 -0400
Subject: [BoatAnchors] Pierson KP-81 Receiver Info On Line!
Message-ID: <CAKtz7febr7YJi9XT4Mw9ey46+GfBzPxqjZYS=9yo_qfXe05M4A@mail.gmail.com>

Folks,

Some years ago I acquired one of the very rare Pierson KP-81 receivers, hoping to restore it. But, the years went by, guilt built up, and eventually I did the right thing and sold it to John Vendely K9WT..

Now, any radio that ends up at John's QTH is a VERY lucky radio! And, my KP-81 was no exception. John performed a lengthy and careful restoration on this rig, and has brought it back to a very high level of operation, almost certainly better than when it left the factory in 1948.

Not content with just fixin' this radio, John also produced extensive notes on the process, including a detailed circuit description, mechanical and electrical repair notes, alignment instructions, and a complete parts list. None of this existed before.. Pierson wasn't in business long enough to produce a complete, accurate manual for the radio.

So.. if you've got a KP-81 sitting on a shelf, there's now one less excuse for not hauling it down and getting it going.. at least you've got the data you need to fix it!

These restoration notes (and photos) are on my website jptronics.org at:

<http://jptronics.org/pierson%20kp-81/index.html>

(or you can get to it by clicking on the little KP-81 tag image on the website homepage).

Even if you don't have one of these handsome and unusual radios, John's notes make for a good read. Check back every now and then.. there's a bit more info coming.

Enjoy!

73, John K4OZY